# XR-5810R/5820R

# SERVICE MANUAL

*Italian Model*

- XR-5810R/5820R are almost same as XR-5800R AEP model.
  The difference parts from XR-5800R AEP model are described in this service manual.
  Please refer to XR-5790R/5800R service manual (9-925-675-□□) previously issued for the other informations.

**• DIFFERENCE PARTS LIST (XR-5810R)**

| Page | XR-5800R AEP model | | | | XR-5810R | | | |
|---|---|---|---|---|---|---|---|---|
| | Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
| 44 | 107 | X-3374-682-1 | PANEL SUB ASSY | | 107 | X-3375-748-1 | PANEL SUB ASSY | |
| 52 | | 1-473-067-71 | REMOTE COMMANDER (RM-X4S) | | | | | |
| | | 3-861-508-21 | MANUAL, INSTRUCTION (FRENCH, GERMAN, DUTCH, ITALIAN) | | | 3-861-508-51 | MANUAL, INSTRUCTION (FRENCH, GERMAN, DUTCH, ITALIAN) | |
| | | 3-861-509-21 | MANUAL, INSTRUCTION, INSTALL (FRENCH, GERMAN, DUTCH, ITALIAN) | | | 3-861-509-41 | MANUAL, INSTRUCTION, INSTALL (FRENCH, GERMAN, DUTCH, ITALIAN) | |
| | | 3-861-973-11 | MANUAL, INSTRUCTION, INSTALL (for RM-X4S) (ENGLISH, FRENCH, GERMAN, SPANISH, DUTCH, SWEDISH, ITALIAN, PORTUGUESE, POLISH, CZECH, GREEK, TURKISH) | | | | | |
| | | 3-921-278-01 | LABEL (DSPL) (for RM-X4S) | | | | | |
| 53 | 506 | X-3373-432-1 | BRACKET ASSY (for RM-X4S) | | | | | |

**• DIFFERENCE PARTS LIST (XR-5820R)**

| Page | XR-5800R AEP model | | | | XR-5820R | | | |
|---|---|---|---|---|---|---|---|---|
| | Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
| 44 | 107 | X-3374-682-1 | PANEL SUB ASSY | | 107 | X-3375-749-1 | PANEL SUB ASSY | |
| 52 | | 3-861-508-21 | MANUAL, INSTRUCTION (FRENCH, GERMAN, DUTCH, ITALIAN) | | | 3-861-508-61 | MANUAL, INSTRUCTION (FRENCH, GERMAN, DUTCH, ITALIAN) | |
| | | 3-861-509-21 | MANUAL, INSTRUCTION, INSTALL (FRENCH, GERMAN, DUTCH, ITALIAN) | | | 3-861-509-51 | MANUAL, INSTRUCTION, INSTALL (FRENCH, GERMAN, DUTCH, ITALIAN) | |

## FM/MW/LW CASSETTE CAR STEREO

SONY®

MICROFILM

9-925-958-11

**Sony Corporation**
**Personal & Mobile Communication Company**

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**Published by Quality Assurance Dept.**

# XR-5790R/5800R

# SERVICE MANUAL

*AEP Model*
*UK Model*

Photo: XR-5800R

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol ⧈ are trademarks of Dolby Laboratories Licensing Corporation.

| | |
|---|---|
| Model Name Using Similar Mechanism | NEW |
| Tape Transport Mechanism Type | MG-25G-136 |

## SPECIFICATIONS

### Cassette player section

| | |
|---|---|
| Tape track | 4-track 2-channel stereo |
| Wow and flutter | 0.08 % (WRMS) |
| Frequency response | 30 – 18,000 Hz |
| Signal-to-noise ratio | 61 dB (TYPE II, IV) (XR-5800R only)<br>58 dB (TYPE I) |

### Tuner section

**FM**

| | |
|---|---|
| Tuning range | 87.5 – 108.0 MHz |
| Antenna terminal | External antenna connector |
| Intermediate frequency | 10.7 MHz |
| Usable sensitivity | 8 dBf |
| Selectivity | 75 dB at 400 kHz |
| Signal-to-noise ratio | 65 dB (stereo),<br>68 dB (mono) |
| Harmonic distortion at 1 kHz | 0.5 % (stereo),<br>0.3 % (mono) |
| Separation | 35 dB at 1 kHz |
| Frequency response | 30 – 15,000 Hz |
| Capture ratio | 2 dB |

**MW/LW**

| | |
|---|---|
| Tuning range | MW: 531 – 1,602 kHz<br>LW: 153 – 281 kHz |
| Antenna terminal | External antenna connector |
| Intermediate frequency | 10.71 MHz/450 kHz |
| Sensitivity | MW: 30 µV<br>LW: 50 µV |

### Power amplifier section

| | |
|---|---|
| Outputs | Speaker outputs (sure seal connectors) |
| Speaker impedance | 4 – 8 ohms |
| Maximum power output | 35 W × 4 (at 4 ohms) |

### General

| | |
|---|---|
| Outputs (XR-5800R only) | Telephone ATT control lead |
| Tone controls | Bass ±8 dB at 100 Hz<br>Treble ±8 dB at 10 kHz |
| Power requirements | 12 V DC car battery (negative ground) |
| Dimensions | Approx. 188 × 58 × 181 mm (w/h/d) |
| Mounting dimensions | Approx. 182 × 53 × 164 mm (w/h/d) |
| Mass | Approx. 1.2 kg |
| Supplied accessories | Parts for installation and connections (1 set)<br>Rotary commander RM-X4S (XR-5800R: AEP, UK, South European only)<br>Front panel case (1) |

*Design and specifications are subject to change without notice.*

## FM/MW/LW CASSETTE CAR STEREO

MICROFILM

SONY®

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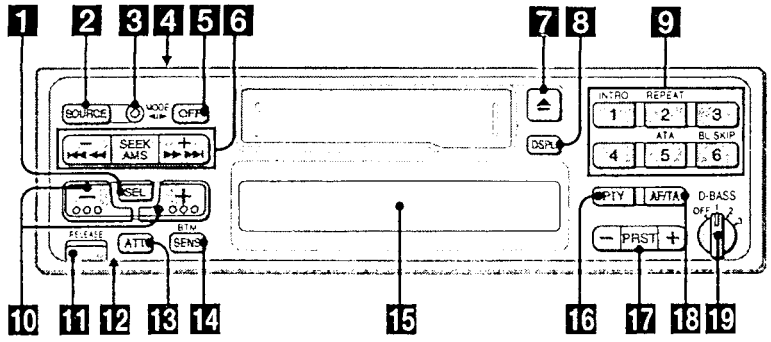
### Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

### Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

## Location of controls (XR-5790R)




Refer to the pages for further details.

1 SEL (control mode select) button 4, 9, 10, 11

2 SOURCE button (TAPE/TUNER) 4, 6

3 MODE (◄I►) button
During Tuner reception:
BAND select 6

During Tape playback:
Transport direction change 4

4 POWER SELECT switch (located on the top of the unit)
See "POWER SELECT Switch" in the Installation/Connections manual.

5 OFF button 3, 4

6 SEEK/AMS button 4, 5, 6, 7, 8, 10

7 ≙ (eject) button 4

8 DSPL (display mode change/time set) button 4, 5, 7

9 During radio reception:
Preset number buttons 6

During tape playback:
① INTRO button 5
② REPEAT button 5
⑤ ATA (Automatic Tuner Activation) button 5
⑥ BL SKIP (Blank Skip) button 5

10 ⊕⊖ (volume/bass/treble/left-right/front-rear control) button 4, 11

11 RELEASE (front panel release) button 3, 13

12 Reset button (located on the front side of the unit hidden by the front panel) 3
Press this button when you use this unit for the first time, when you have changed the car battery, or when the buttons of this unit do not function properly.

13 ATT button 11

14 SENS/BTM (sensitivity adjust/Best tuning memory function) button 6, 7, 9

15 Display window

16 PTY (programme type) button 10

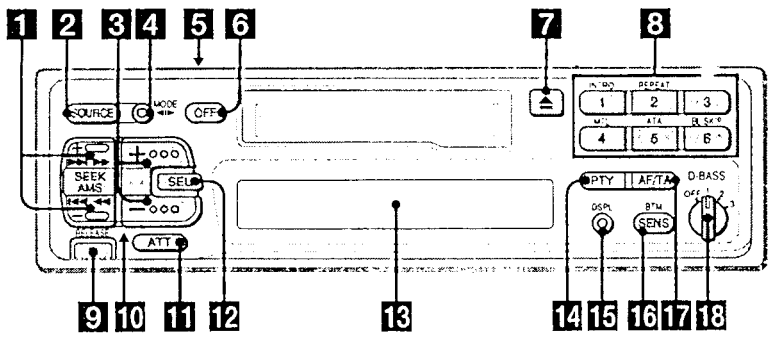
17 PRST button (preset station select) 6

18 AF/TA (alternative frequency/traffic announcement) button 8, 9

19 D-BASS control 11



## Location of controls (XR-5800R)




Refer to the pages for further details.

1 SEEK/AMS button 4, 5, 6, 7, 8, 10

2 SOURCE button (TAPE/TUNER) 4, 6

3 ⊕⊖ (volume/bass/treble/left-right/front-rear control) button 4,12

4 MODE (◄I►) button
During Tuner reception:
BAND select 6

During Tape playback:
Transport direction change 4

5 POWER SELECT switch (located on the top of the unit)
See "POWER SELECT Switch" in the Installation/Connections manual.

6 OFF button 3, 4

7 ≙ (eject) button 4

8 During radio reception:
Preset number buttons 6

During tape playback:
① INTRO button 5
② REPEAT button 5
④ MTL button 5
⑤ ATA (Automatic Tuner Activation) button 5
⑥ BL SKIP (Blank Skip) button 5

9 RELEASE (front panel release) button 3, 14

10 Reset button (located on the front side of the unit hidden by the front panel) 3
Press this button when you use this unit for the first time, when you have changed the car battery, or when the buttons of this unit do not function properly.

11 ATT button 12

12 SEL (control mode select) button 4, 9, 10, 12

13 Display window

14 PTY (programme type) button 10

15 DSPL (display mode change/time set) button 4, 5, 7

16 SENS/BTM (sensitivity adjust/Best tuning memory function) button 6, 7, 9

17 AF/TA (alternative frequency/traffic announcement) button 8, 9

18 D-BASS control 12



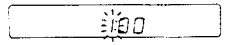
This section is extracted from instruction manual.

## Setting the clock

The clock has a 24-hour digital indication.
*For example, setting it to 10:08*

1 Press (OFF) or (DSPL) during operation.

2 Press (DSPL) for two seconds.

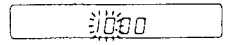


The hour digit blinks.

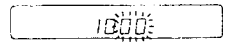
❶ Set the hour digits.

to go forward

to go backward



❷ Press (SEL) momentarily.

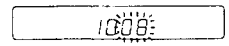


The minute digit blinks.

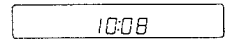
❸ Set the minute digits.

to go forward

to go backward



3 Press (DSPL) momentarily.



The clock activates.

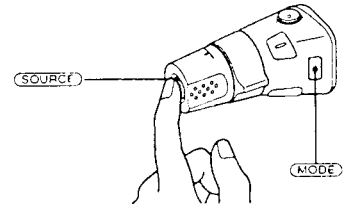
*Note*
*If the POWER SELECT switch on the top of the unit is set to the ❶ position, the clock cannot be set unless the power is turned on. Set the clock after you have turned on the radio.*

# Other Functions

## Using the rotary commander

The rotary commander works by pressing buttons and/or rotating controls.

### By pressing buttons (the SOURCE and the MODE buttons)



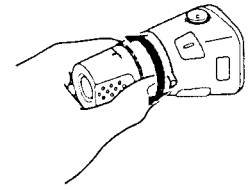

Every time you press (SOURCE), the source changes as follows:

TAPE ⟷ TUNER

*Pressing (MODE) changes the operation in the following ways:*
- *the tape transport*
- *the band, FM1 → FM2 → FM3 → MW → LW*

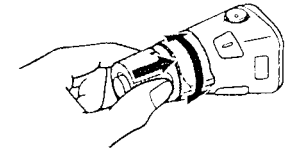
*Tip*
*You can turn on this unit by pressing (SOURCE) on the rotary commander.*

### By rotating the control (the SEEK/AMS control)



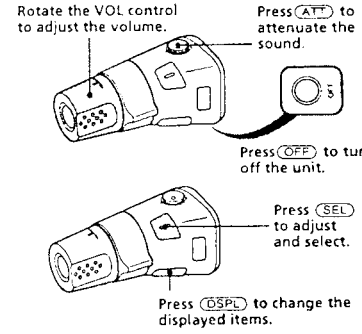
Rotate the control momentarily and release it to:
- Locate the beginnings of the tracks on the tape. Rotate and hold the control, and release it to fast-wind the tape. To playback, rotate and hold the control again, and release it.
- Tune in the stations automatically. Rotate and hold the control to tune in the specific station.

### By rotating the control while pushing in (the PRESET control)



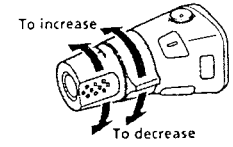
Push in and rotate the control to:
Receive the stations memorized on the preset buttons.

### Other operations

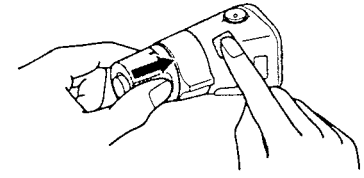

Rotate the VOL control to adjust the volume.
Press (ATT) to attenuate the sound.
Press (OFF) to turn off the unit.
Press (SEL) to adjust and select.
Press (DSPL) to change the displayed items.

### Changing the operative direction

The operative direction of controls is factory preset as in the illustration below.




If you need to mount the rotary commander on the right side of the steering column, you can reverse the controls operative direction.



Press (SEL) for two seconds while pushing in the VOL control.

# Installation

## Precautions

- Do not tamper with the four holes on the upper surface of the unit. They are used for tuner adjustments to be made only by service technicians.
- Choose the installation location carefully so that the unit will not interfere with driving.
- Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight or hot air from the heater, or where it would be subject to dust, dirt, or excessive vibration.
- Use only the supplied mounting hardware for safe and secure installation.

### Mounting angle adjustment

Adjust the mounting angle to less than 20°.

## How to Detach and Attach the Front Panel

**Before installing the unit, detach the front panel.**

### To detach

Before detaching the front panel, be sure to turn the power off first. Then press the RELEASE button to open up the front panel, and detach the panel by pulling it towards you as illustrated.

### To attach

Align parts Ⓐ and Ⓑ, and push the front panel in until it clicks.

# Instalación

## Precauciones

- No toque los cuatro orificios de la superficie superior de la unidad. Estos orificios son para ajustes del sintonizador que solamente deberán realizar técnicos de reparación.
- Elija cuidadosamente el lugar de montaje de forma que la unidad no interfiera las funciones normales de conducción.
- Evite instalar la unidad donde pueda quedar sometida a altas temperaturas, como a la luz solar directa o al aire de calefacción, o a polvo, suciedad, o vibraciones excesivas.
- Para realizar una instalación segura y firme, utilice solamente la ferretería de montaje suministrada.

### Ajuste del ángulo de montaje

Ajuste el ángulo de montaje a menos de 20°.

## Forma de extraer e instalar el panel frontal

**Antes de instalar la unidad, extraiga el panel frontal.**

### Para extraerlo

Antes de extraer el panel frontal, cerciórese de desactivar primero la alimentación. Después presione la tecla RELEASE para abrir el panel frontal, y extraiga éste tirando de él hacia usted como se muestra en la ilustración.

### Para instalarlo

Alinee las partes Ⓐ y Ⓑ, y presione el panel frontal hasta que chasquee.

# Montering

## Sökerhetsföreskrifter

- Låt de fyra hålen på bilstereons ovansida vara. De är till för radiojusteringar som endast får utföras av fackkunniga tekniker.
- Var noga när du väljer var i bilen du monterar bilstereon, så att den inte sitter i vägen när du kör.
- Montera inte bilstereon där den utsätts för värme, t ex solsken eller varmluft, eller där den utsatts för damm, smuts och/eller vibrationer.
- Använd endast de medföljande monteringstillbehören för att vara säker på att bilstereon monteras på ett säkert och korrekt sätt.

### Tillåten monteringsvinkel

Monteringsvinkeln får inte vara större än 20 grader.

## Ta loss/fästa frontpanelen

**Ta loss frontpanelen innan du monterar bilstereon.**

### Ta loss frontpanelen

Kontrollera att du har slått av strömmen innan du tar loss panelen. Tryck därefter på RELEASE för att öppna frontpanelen. Ta loss frontpanelen genom att dra den utåt enligt illustrationen nedan:

### Fästa frontpanelen

Lägg Ⓐ och Ⓑ mot varandra, kant i kant, och tryck tills du hör ett klickljud.

# Instalação

## Precauções

- Não altere indevidamente os quatro orifícios da superfície da parte superior do aparelho. Estes servem para regulações do sintonizador que devem ser efectuadas somente por técnicos qualificados.
- Escolha com cuidado um local apropriado para a montagem do aparelho, para que este não interfira com a condução do veículo.
- Evite instalar o aparelho onde possa estar sujeito a altas temperaturas, tais como em locais expostos directamente à luz do sol, ao ar quente dos aquecimentos, ou sujeitos a pó, sujidade ou vibração excessiva.
- Para efectuar uma instalação segura utilize unicamente o equipamento de montagem fornecido.

### Ajuste do ângulo de montagem

Ajuste o ângulo de montagem para menos de 20°.

## Para retirar e colocar o painel frontal

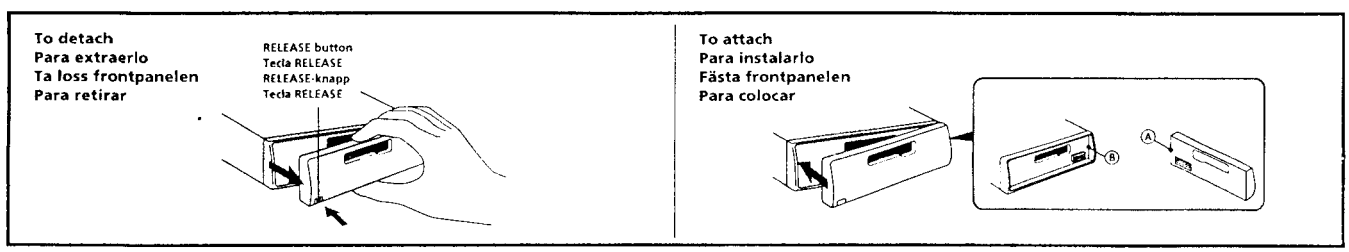
**Retire o painel frontal antes de iniciar a instalação do aparelho.**

### Para retirar

Antes de retirar o painel frontal, desligue o aparelho. A seguir, carregue na tecla RELEASE para abrir o painel frontal e retire-o, puxando-o para fora como ilustrado.

### Para colocar

Alinhe as partes Ⓐ e Ⓑ, e fixe o painel frontal pressionando-o até que encaixe.




## Mounting Example

Installation in the dashboard

## Ejemplo de montaje

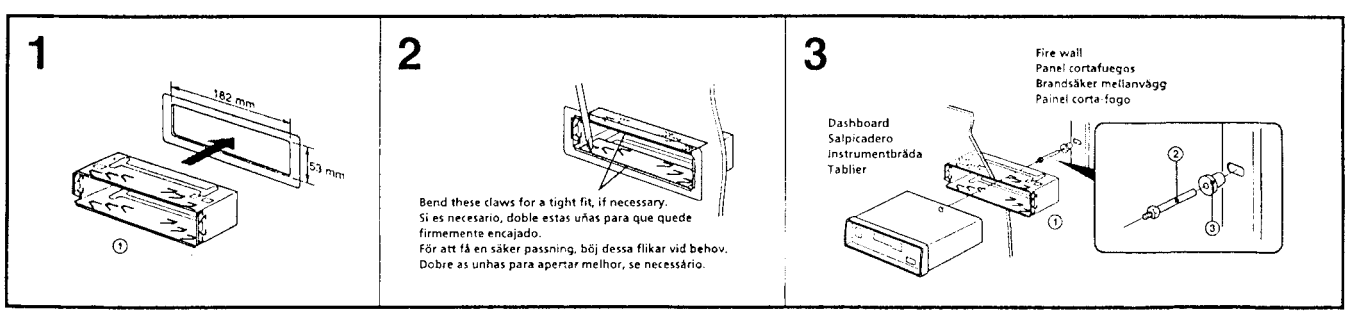
Instalación en el salpicadero

## Exempel på montering

Montera på instrumentbrädan

## Exemplo de montagem

Instalação no tablier



# Connections

## Caution

- This unit is designed for negative ground 12 V DC operation only.
- Connect the unit to the power supply of the car after all other connections are complete.
- **Run all ground wires to a common ground point.**
- Connect pin 4 or pin 7of the unit's power connector to a free car circuit rated higher than the unit's fuse rating. If you connect this unit in combination with other stereo components, the car circuit they are connected to must be rated higher than the sum of the individual components' fuse rating. If there are no car circuits rated as high as the unit's fuse rating, connect the unit directly to the battery. If your car provides no circuit specifically for an audio unit, connect the unit to a car circuit rated higher than the unit's fuse rating in such a way that if the unit blows its fuse, no other circuits will be cut off.

# Conexiones

## Precauciones

- Esta unidad ha sido diseñada para alimentarse con 12 V CC, negativo a masa, solamente.
- Conecte la unidad al suministro de alimentación del automóvil una vez realizadas todas las conexiones.
- **Conecte todos los conductores de puesta a masa a un punto común.**
- Conecte el terminal 4 o 7 del conector de alimentación de la unidad a un circuito libre del automóvil con una potencia nominal superior a la del fusible de la unidad. Si conecta ésta en combinación con otros componentes estéreo, la potencia nominal del circuito del automóvil al que se conecte debe ser superior a la suma de la de los fusibles de los componentes individuales. Si no hay ningún circuito en el automóvil con una potencia nominal tan alta como la del fusible de la unidad, conecte ésta directamente a la batería. Si no hay circuitos en el automóvil destinados específicamente a la conexión de unidades de audio, conecte la unidad, conéctela a un circuito del automóvil con una potencia nominal superior a la del fusible de la unidad, de forma que si dicho fusible se funde no se vean afectados otros circuitos.

# Anslutning

## Sökerhetsföreskrifter

- Denna bilstereo är endast avsedd för anslutning till ett negativt jordat, 12 V bilbatteri.
- Anslut enheten till strömförsörjningen sedan alla andra anslutningar gjorts.
- **Dra samtliga jordledningar till en och samma jordningspunkt.**
- Anslut pol 4 eller pol 7 i enhetens strömanslutning till en fri krets med högre märkdata än enheten. Om du ansluter denna enhet i kombination med andra stereokomponenter måste den strömkrets de är anslutna till ha högre märkdata än summan av de enskilda komponentemas märkdata. Om det inte finns någon strömkrets med lika höga märkdata som enhetens ansluter du enheten direkt till bilbatteriet. Om det inte finns några bilkretsar tillgängliga för en ljudenhet ansluter du den till en bilkrets med högre märkdata än enheten så att inga andra kretsar bryts om enhetens säkring skulle gå.

# Ligações

## Advertência

- Este aparelho foi projectado para funcionar somente com corrente contínua de 12 V com massa negativa.
- Ligue o aparelho à fonte de alimentação do automóvel depois de completar todas as outras ligações.
- **Ligue todos os fios de terra num ponto de massa comum.**
- Ligue o pino 4 ou o pino 7 do conector de alimentação do aparelho a um circuito livre do automóvel com uma tensão superior à do fusível do aparelho. Se ligar este aparelho com outros componentes estéreo, o circuito do automóvel a que estiverem ligados deve ter uma tensão superior à da soma dos fusíveis dos componentes individuais. Se nenhum circuito do automóvel tiver uma tensão tão elevada como a do fusível do aparelho, ligue-o directamente à bateria. Se nenhum circuito do automóvel se destinar especificamente à ligação deste aparelho, ligue-o a um circuito do automóvel que tenha uma tensão superior à do fusível do aparelho, de tal modo que, se o fusível rebentar, nenhum outro circuito seja afectado.

## If Your Car has No Accessory Position on the Ignition Key Switch — POWER SELECT Switch

The illumination on the front panel is factory set to be turned on even while the unit is not in use. However, this setting may cause some car battery wear if **your car has no accessory position on the ignition key switch.** To avoid this battery wear, **set the POWER SELECT switch located on the top of the unit to the ⏻ position, then press the reset button.** The illumination is reset to stay off while the unit is not in use.

***Note***

*The caution alarm for the front panel is not activated when the POWER SELECT switch is set to the ⏻ position.*

## Si el automóvil no dispone de posición para accesorios en la llave de encendido — Selector POWER SELECT

La iluminación del panel frontal ha sido ajustada en fábrica para que esté activada aunque la unidad no se encuentre en reproducción. Sin embargo, este ajuste puede provocar cierta descarga de la batería del automóvil **si éste no dispone de posición para accesorios en la llave de encendido.** Para evitar esto, **ponga el selector POWER SELECT, situado en la parte superior de la unidad, en la posición ⏻ y, después, presione el botón de reposición.** La iluminación estará desactivada cuando la unidad no se encuentre en reproducción.

***Nota***

*La alarma de precaución del panel frontal no se activará cuando el selector POWER SELECT se encuentre en la posición ⏻.*

## Montera bilstereon i en bil vars tändlås inte har något strömläge — Omkopplaren POWER SELECT

Innan bilstereon levererades från fabriken ställdes belysningen i teckenfönstret in så att den lyser också när bilstereon inte används. Detta kan emellertid orsaka urladdning av batteriet när du använder bilstereon i **en bil, vars tändlås saknar läget ACC (strömläge). Skjut omkopplaren POWER SELECT på bilstereons översidan till läge ⏻, och tryck sedan på återställningsknappen** för att undvika att bilbatteriet laddas ur. Nu lyser inte längre belysningen i teckenfönstret när bilstereon inte används.

***Observera***

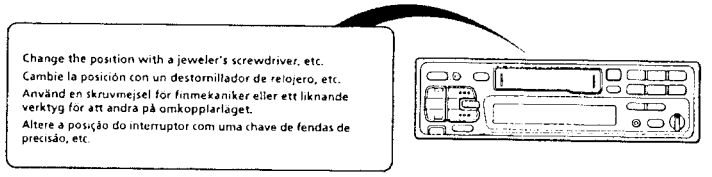
*Varningssignalen, som varnar om du inte har tagit loss frontpanelen, ljuder inte när omkopplaren POWER SELECT står i läge ⏻.*

## Se o seu automóvel não estiver equipado com uma chave de ignição com posição acessórios — Interruptor POWER SELECT

A iluminação do painel frontal é regulada na fábrica para se manter acesa, mesmo quando o aparelho não estiver ligado. No entanto, esta regulação pode provocar a descarga da bateria **se o aparelho for utilizado em automóveis sem chave de ignição com posição acessórios.** Para evitar a descarga da bateria, **regule o interruptor POWER SELECT, situado na parte superior do aparelho, para a posição ⏻. Em seguida, carregue no botão de reinicialização.** A iluminação é regulada para ficar apagada enquanto o aparelho estiver desligado.

***Nota***

*O alarme de advertência do painel frontal não é activado quando o interruptor POWER SELECT estiver regulado para a posição ⏻.*


Change the position with a jeweler's screwdriver, etc.
Cambie la posición con un destornillador de relojero, etc.
Använd en skruvmejsel för finmekaniker eller ett liknande verktyg för att ändra på omkopplarläget.
Altere a posição do interruptor com uma chave de fendas de precisão, etc.

## Reset Button

When the installation and connections are complete, be sure to press the reset button with a ballpoint pen etc.

## Botón de reposición

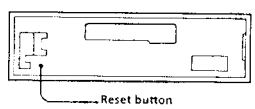
Cuando finalice la instalación y las conexiones, cerciórese de presionar el botón de reposición con un bolígrafo, etc.

## Nollställningsknappen

Kom ihåg att använda en penna eller något annat spetsigt föremål för att trycka på nollställningsknappen när anslutningen och monteringen är klar.

## Botão de reinicialização

Quando terminar a instalação e as ligações, não se esqueça de carregar no botão de reinicialização com a ponta de uma caneta, etc.




***Note on the control function***

*Pin 5 of the unit's power connector supplies + 12 V DC when you turn on the tuner or when you activate the ATA (Automatic Tuner Activation), AF (Alternative Frequency), or the TA (Traffic Announcement) Functions.*

***Memory hold connection***

*When pin 4 or pin 7 of the unit's power connector is connected, power will always be supplied to the memory circuit even when the ignition key is turned off.*

***Notes on speaker connection***

- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.*
- *Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers. Therefore, be sure to connect passive speakers to these terminals.*

***Nota sobre la función de control***

*El terminal 5 del conector de alimentación de la unidad suministra + 12 V CC al activar el sintonizador o las funciones ATA (Activación automática del sintonizador), AF (Frecuencias alternativas) o TA (Avisos de tráfico).*

***Conexión para protección de la memoria***

*Si se conecta el terminal 4 o 7 del conector de alimentación de la unidad, el circuito de memoria siempre recibirá alimentación aunque desactive la llave de encendido.*

***Notas sobre la conexión de los altavoces***

- *Antes de conectar los altavoces, desconecte la alimentación de la unidad.*
- *Utilice altavoces con una impedancia de 4 a 8 ohmios, y con la potencia máxima admisible adecuada, ya que de lo contrario podría dañarlos.*
- *No conecte los terminales del sistema de altavoces al chasis del automóvil, ni los del altavoz izquierdo a los del derecho.*
- *No intente conectar los altavoces en paralelo.*
- *No conecte altavoces activos (con amplificadores incorporados) a los terminales de altavoces de la unidad. Si lo hiciese, podría dañar tales altavoces. Por lo tanto, cerciórese de conectar altavoces pasivos a estos terminales.*

***Att observera angående kontrollfunktionen***

*Pol 5 i enhetens strömanslutning ger + 12 V likström när du slår på radion eller aktiverar någon av funktionerna ATA (Automatic Tuner Activation), AF (Alternative Frequency) eller TA (Traffic Announcement).*

***Anslutning för minnesstöd***

*När pol 4 eller pol 7 i enhetens strömanslutning är ansluten förses minneskretsen alltid med ström, även när tändningen slås av.*

***Att observera angående högtalarnas anslutning***

- *Slå av bilstereon innan du ansluter högtalarna.*
- *Anslut endast högtalare, vars impedans varierar från 4 till 8 ohm och som har tillräcklig effekthanteringskapacitet för att skydda högtalarna mot skador.*
- *Anslut inte något av högtalaruttagen till bilens chassi. Anslut inte heller utlagen på höger högtalare till utlagen på vänster högtalare.*
- *Anslut inte högtalarna parallellt.*
- *Anslut inte aktiva högtalare (med inbyggda slutsteg) till bilstereons högtalarutlag, eftersom de kan skada de aktiva högtalarna. Var noga med att bara ansluta passiva högtalare till dessa utlag.*

***Nota sobre a função do controlo***

*O pino 5 do conector de alimentação do aparelho fornece + 12 V CC quando se liga o sintonizador ou se activam as funções ATA (Activação automática do sintonizador), AF (Frequência alternativa) ou TA (Informações sobre o trânsito).*

***Ligação para alimentação contínua da memória***

*Quando está ligado o pino 4 ou o pino 7 do conector de alimentação do aparelho, o circuito da memória recebe sempre alimentação, mesmo que não rode a chave da ignição.*

***Notas sobre a ligação dos altifalantes***

- *Antes de ligar os altifalantes, desligue o aparelho.*
- *Utilize altifalantes com impedância de 4 a 8 ohm, e com capacidade admissível de potência adequada. Caso contrário, os altifalantes poderão sofrer avarias.*
- *Não ligue os terminais do sistema de altifalantes ao chassis do automóvel, e não ligue os terminais do altifalante direito aos terminais do altifalante esquerdo.*
- *Não tente ligar os altifalantes em paralelo.*
- *Não ligue nenhum sistema de altifalantes activos (com amplificadores incorporados) aos terminais dos altifalantes do aparelho. Caso o faça, poderá avariar o sistema de altifalantes activos. Portanto, não se esqueça de ligar altifalantes passivos a estes terminais.*

## Power Connection

Power connectors may vary depending on the car. Check your car's power connector diagram to make sure the connections match correctly. There are two basic types. You may need to switch the positions of the jump connector. Before connecting the unit to the car's power supply, be sure to match the position of the jump connector to the car's pin order. If the power connector of your car does not match the connector on the unit, use the supplied connector ⑥. If you have any questions or problems connecting your unit that are not covered in this manual, please consult the car dealer.

**WARNING**

**Jump connector**

Check the pin position of the power connector of the car with the table on the below. If positions 4 and 7 are reversed, remove the jump connector and shift it to the rightmost position as shown in the illustration.

## Conexión de alimentación

Los conectores de alimentación pueden variar en función del automóvil. Consulte el diagrama del conector de alimentación del automóvil para comprobar que las conexiones coinciden correctamente. Existen dos tipos básicos. Es posible que sea necesario cambiar las posiciones del conector de empalme. Antes de conectar la unidad al suministro de alimentación del automóvil, asegúrese de que la posición del conector de empalme coincide con el orden de terminales del dicho automóvil. Si el conector de alimentación del automóvil no coincide con el de la unidad, emplee el conector ⑥ suministrado. Si desea realizar alguna consulta o solucionar algún problema referentes a la conexión de la unidad que no aparezcan en este manual, póngase en contacto con el concesionario automovilístico.

**ADVERTENCIA**

**Conector de empalme**

Compruebe la posición de terminal del conector de alimentación del automóvil con la tabla que aparece más abajo. Si las posiciones 4 y 7 se invierten, retire el conector de empalme y desplácelo hasta la posición del extremo derecho como se muestra en la ilustración.

## Strömanslutningsschema

Strömanslutningarna kan variera beroende på vilken bil du har. Kontrollera bilens diagram över strömanslutningar för att kontrollera att anslutningarna passar ihop. Det finns två huvudtyper. Du kan behöva ändra positionerna på överkopplingen. Innan du ansluter enheten till bilens strömförsörjning bör du kontrollera att överkopplingens placering överensstämmer med bilens polordning. Om din bils strömanslutningar inte överenstämmer med anslutningen på enheten använder du det medföljande kontaktdonet ⑥. Om du har några frågor eller problem när det gäller anslutningen av enheten som inte tas upp i denna bruksanvisning kan du kontakta bilåterförsäljaren.

**VARNING**

**Överkoppling**

Jämför bilens strömanslutning med tabellen till nedan. Om positionerna 4 och 7 är omkastade tar du bort överkopplingen och flyttar den till positionen längst till höger.

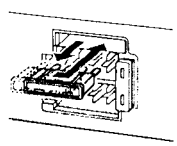
## Diagrama de ligação de corrente

Os conectores de alimentação podem variar de automóvel para automóvel. Verifique o diagrama do conector de alimentação do seu automóvel, para ter a certeza de que a correspondência das ligações está correcta. Há dois tipos básicos. Pode ter que trocar as posições do conector jump. Antes de ligar o aparelho à fonte de alimentação do automóvel, não se esqueça de fazer a correspondência entre a posição do conector jump e a ordem dos pinos do automóvel. Se o conector de alimentação do seu automóvel não corresponder ao conector do aparelho, utilize os conector ⑥ fornecido. Se tiver dúvidas o problemas ao ligar o aparelho que não estejam referidos neste manual, consulte o vendedor do automóvel.

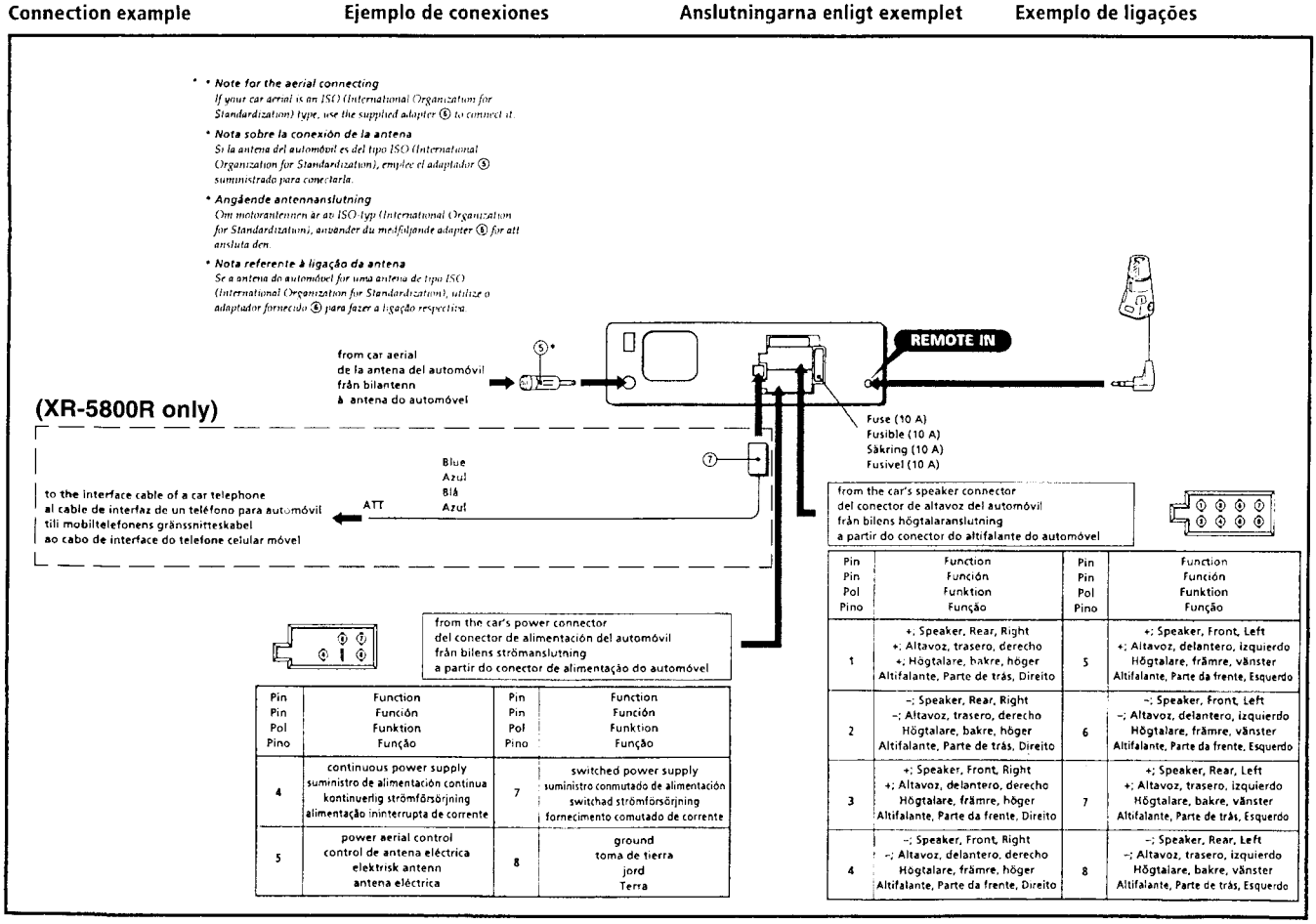
**AVISO**

**Conector jump**

Verifique a posição dos pinos do conector de alimentação do automóvel na tabela abaixo. Se as posições 4 e 7 estiverem invertidas, remova o conector jump e mude-o para a posição mais à direita, tal como se mostra na ilustração.



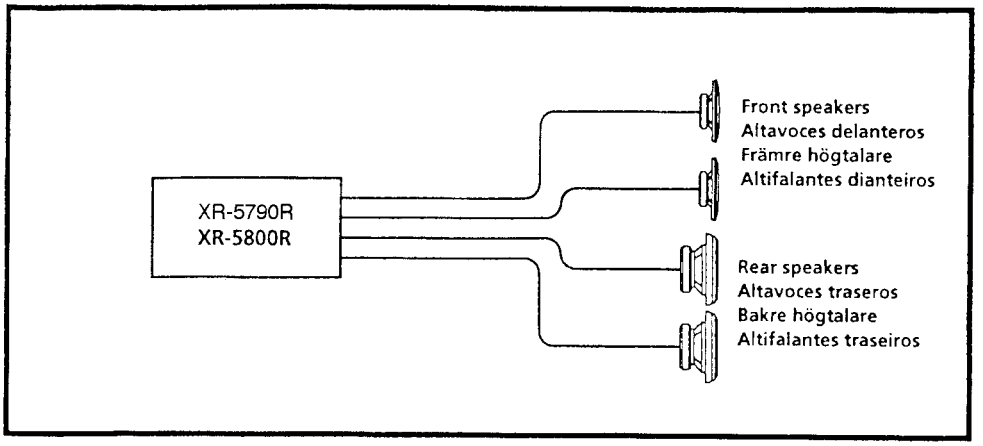
## Connection example / Ejemplo de conexiones / Anslutningarna enligt exemplet / Exemplo de ligações


* Note for the aerial connecting
If your car aerial is an ISO (International Organization for Standardization) type, use the supplied adapter ⑤ to connect it.
* Nota sobre la conexión de la antena
Si la antena del automóvil es del tipo ISO (International Organization for Standardization), emplee el adaptador ⑤ suministrado para conectarla.
* Angående antennanslutning
Om motorantennen är av ISO-typ (International Organization for Standardization), använder du medföljande adapter ⑤ för att ansluta den.
* Nota referente à ligação da antena
Se a antena do automóvel for uma antena de tipo ISO (International Organization for Standardization), utilize o adaptador fornecido ⑤ para fazer a ligação respectiva.
from car aerial
de la antena del automóvil
från bilantenn
à antena do automóvel
REMOTE IN
(XR-5800R only)
Fuse (10 A)
Fusible (10 A)
Säkring (10 A)
Fusível (10 A)
to the interface cable of a car telephone
al cable de interfaz de un teléfono para automóvil
till mobiltelefonens gränssnitteskabel
ao cabo de interface do telefone celular móvel
ATT
Blue
Azul
Blå
Azul
from the car's speaker connector
del conector de altavoz del automóvil
från bilens högtalaranslutning
a partir do conector do altifalante do automóvel
from the car's power connector
del conector de alimentación del automóvil
från bilens strömanslutning
a partir do conector de alimentação do automóvel

| Pin<br>Pin<br>Pol<br>Pino | Function<br>Función<br>Funktion<br>Função | Pin<br>Pin<br>Pol<br>Pino | Function<br>Función<br>Funktion<br>Função |
|---|---|---|---|
| 4 | continuous power supply<br>suministro de alimentación continua<br>kontinuerlig strömförsörjning<br>alimentação ininterrupta de corrente | 7 | switched power supply<br>suministro conmutado de alimentación<br>switchad strömförsörjning<br>fornecimento comutado de corrente |
| 5 | power aerial control<br>control de antena eléctrica<br>elektrisk antenn<br>antena eléctrica | 8 | ground<br>toma de tierra<br>jord<br>Terra |

| Pin<br>Pin<br>Pol<br>Pino | Function<br>Función<br>Funktion<br>Função | Pin<br>Pin<br>Pol<br>Pino | Function<br>Función<br>Funktion<br>Função |
|---|---|---|---|
| 1 | +; Speaker, Rear, Right<br>+; Altavoz, trasero, derecho<br>+; Högtalare, bakre, höger<br>Altifalante, Parte de trás, Direito | 5 | +; Speaker, Front, Left<br>+; Altavoz, delantero, izquierdo<br>Högtalare, främre, vänster<br>Altifalante, Parte da frente, Esquerdo |
| 2 | –; Speaker, Rear, Right<br>–; Altavoz, trasero, derecho<br>Högtalare, bakre, höger<br>Altifalante, Parte de trás, Direito | 6 | –; Speaker, Front, Left<br>–; Altavoz, delantero, izquierdo<br>Högtalare, främre, vänster<br>Altifalante, Parte da frente, Esquerdo |
| 3 | +; Speaker, Front, Right<br>+; Altavoz, delantero, derecho<br>Högtalare, främre, höger<br>Altifalante, Parte da frente, Direito | 7 | +; Speaker, Rear, Left<br>+; Altavoz, trasero, izquierdo<br>Högtalare, bakre, vänster<br>Altifalante, Parte de trás, Esquerdo |
| 4 | –; Speaker, Front, Right<br>–; Altavoz, delantero, derecho<br>Högtalare, främre, höger<br>Altifalante, Parte da frente, Direito | 8 | –; Speaker, Rear, Left<br>–; Altavoz, trasero, izquierdo<br>Högtalare, bakre, vänster<br>Altifalante, Parte de trás, Esquerdo |

## Connection Diagram
## Diagrama de conexiones
## Kopplingsschema
## Diagrama de ligações




### Caution

Cautionary notice for handling the bracket ①.
Handle the bracket carefully to avoid injuring your fingers.

### Precaución

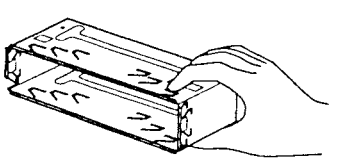
Advertencia sobre la manipulación del soporte ①.
Tenga mucho cuidado al manipular el soporte para evitar posibles lesiones en los dedos.

### Varning

Att observera angående konsolen ①.
Hantera konsolen med största aktsamhet så att du inte skadar fingrarna.

### Cuidado

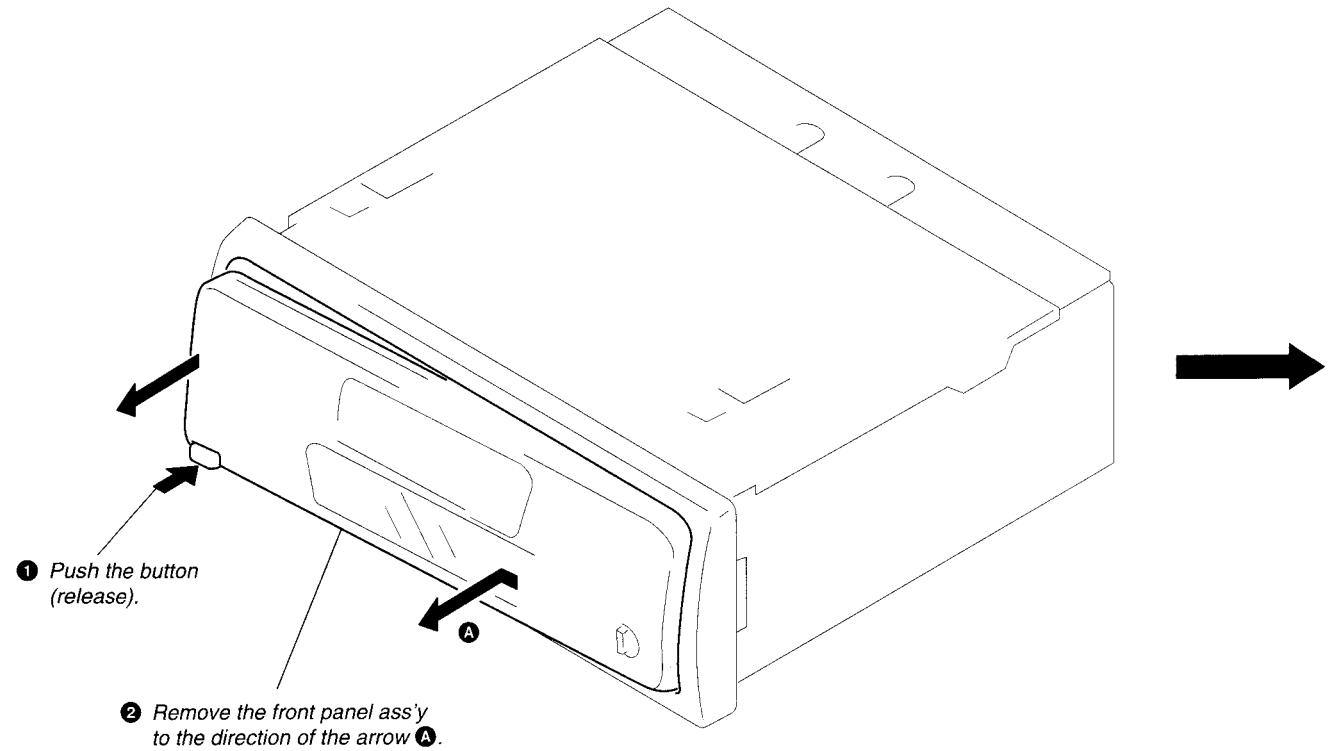
Aviso sobre as precauções a tomar no manuseamento do suporte ①.
Pegue no suporte com cuidado para não magoar os dedos.



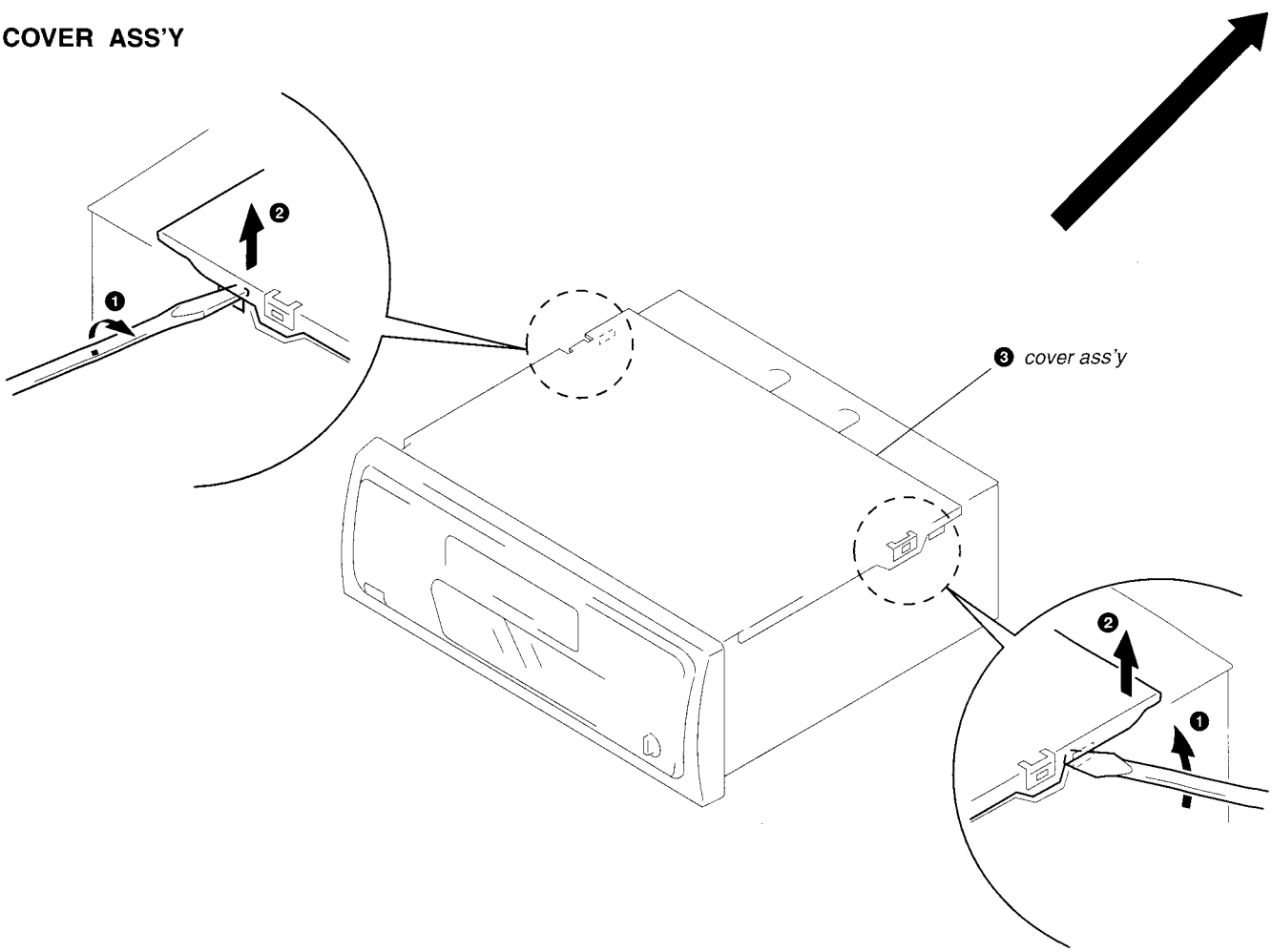
# SECTION 2
# DISASSEMBLY

**Note:** Follow the disassembly procedure in the numerical order given.

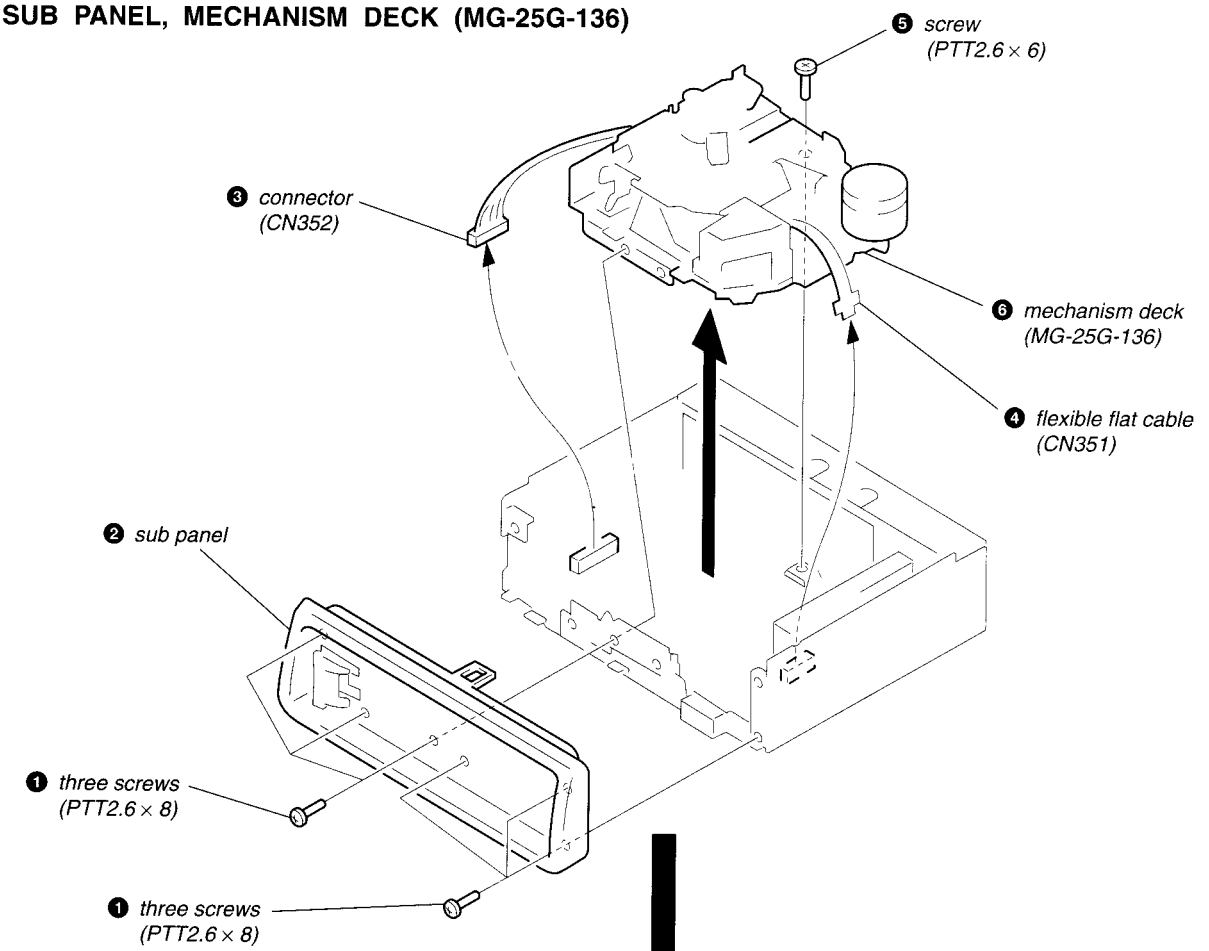
## FRONT PANEL ASS'Y



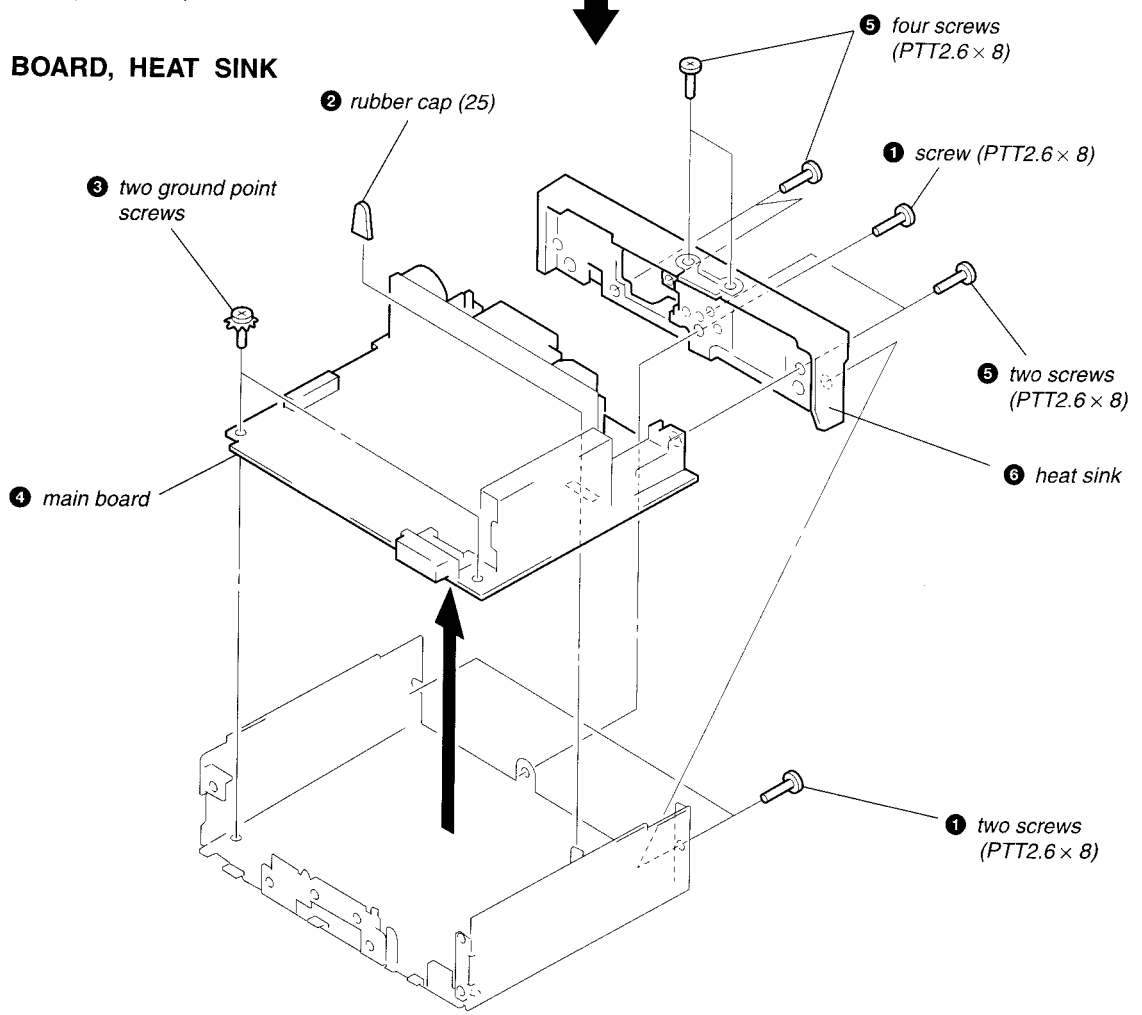

## COVER ASS'Y



## SUB PANEL, MECHANISM DECK (MG-25G-136)


❺ screw (PTT2.6 × 6)
❸ connector (CN352)
❻ mechanism deck (MG-25G-136)
❹ flexible flat cable (CN351)
❷ sub panel
❶ three screws (PTT2.6 × 8)
❶ three screws (PTT2.6 × 8)

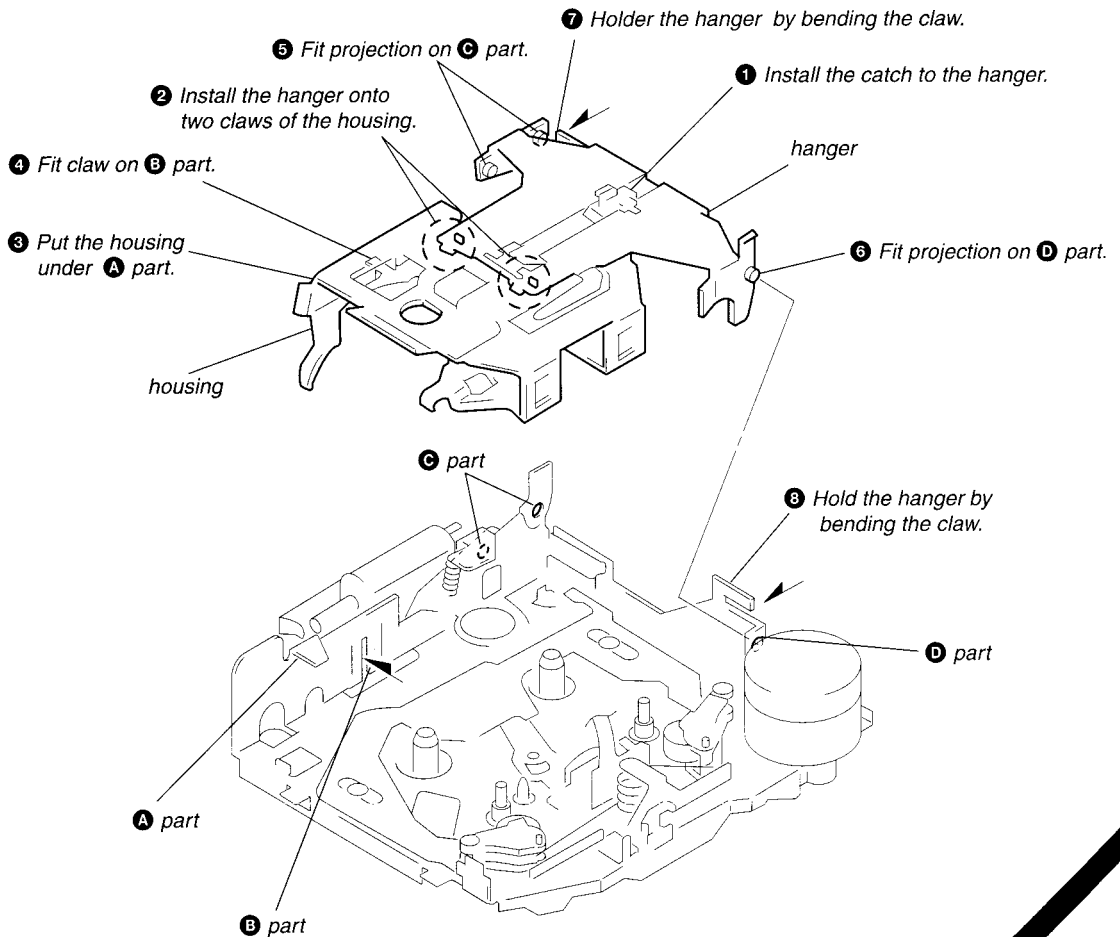
## MAIN BOARD, HEAT SINK


❺ four screws (PTT2.6 × 8)
❷ rubber cap (25)
❶ screw (PTT2.6 × 8)
❸ two ground point screws
❺ two screws (PTT2.6 × 8)
❹ main board
❻ heat sink
❶ two screws (PTT2.6 × 8)

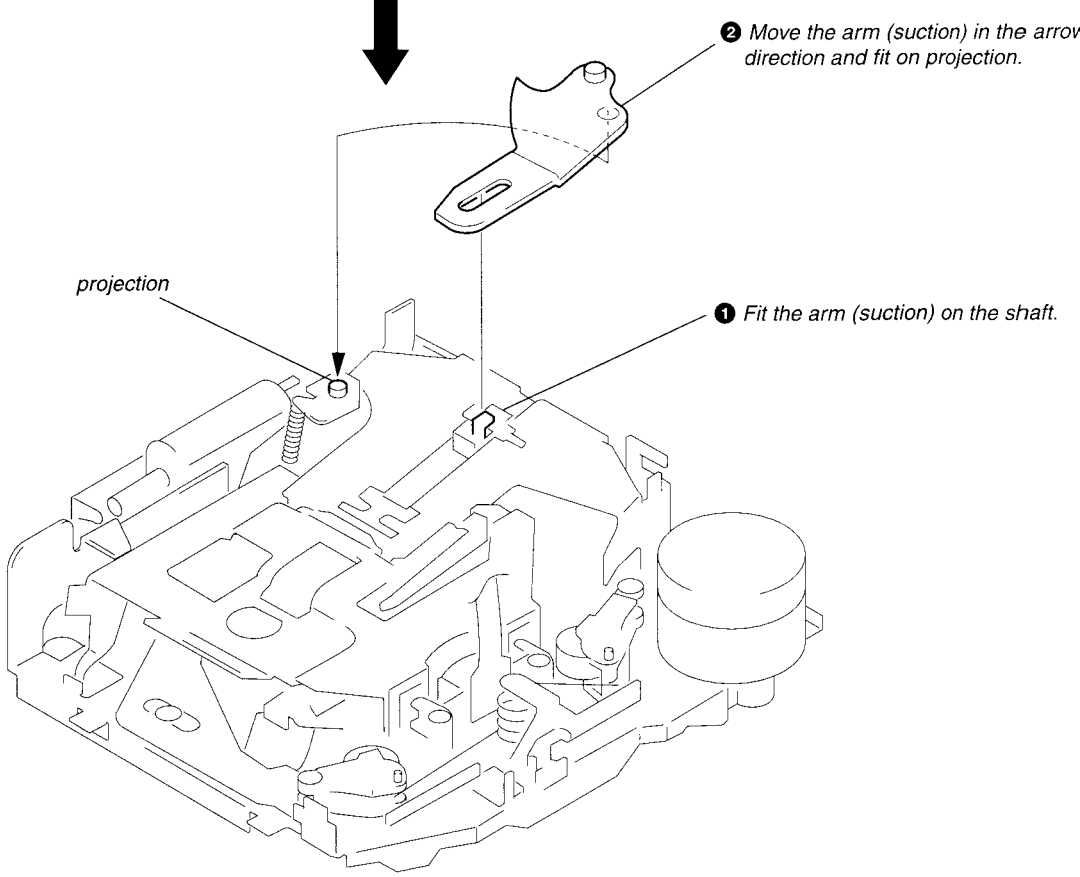
# SECTION 3
# ASSEMBLY OF MECHANISM DECK

**Note:** Follow the assembly procedure in the numerical order given.

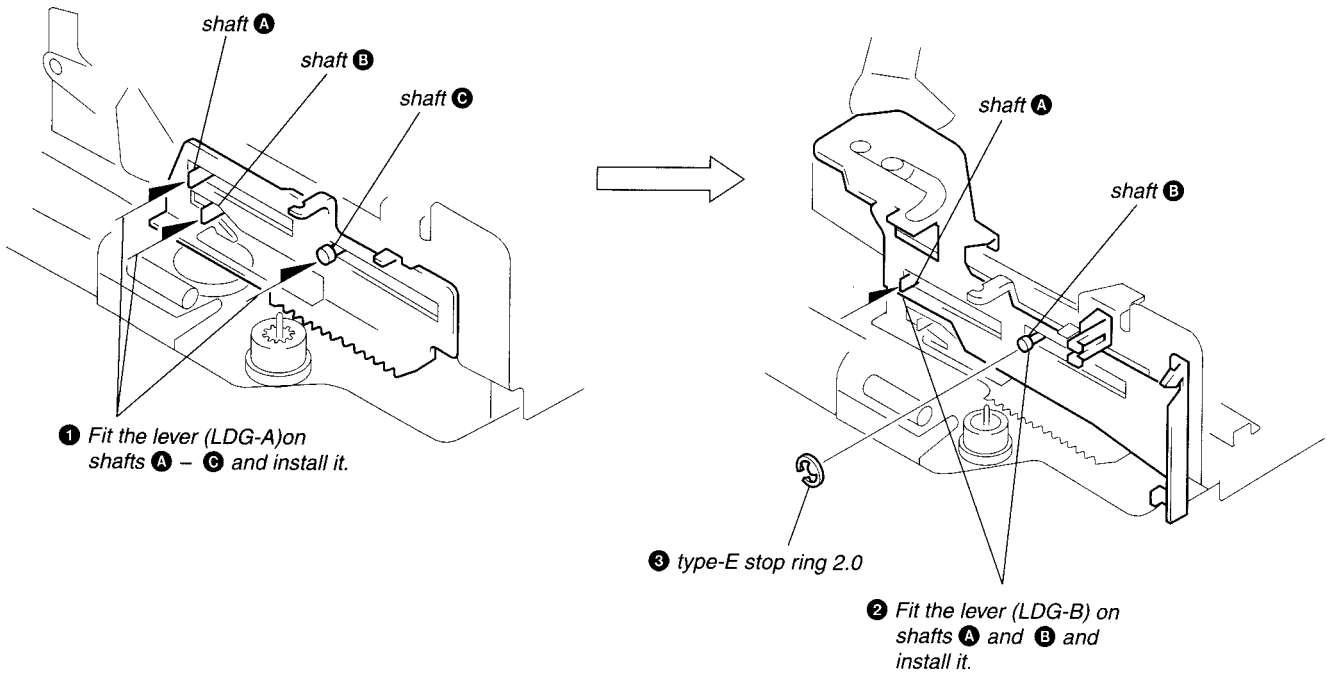
## HOUSING


❼ Holder the hanger by bending the claw.
❺ Fit projection on Ⓒ part.
❶ Install the catch to the hanger.
❷ Install the hanger onto two claws of the housing.
hanger
❹ Fit claw on Ⓑ part.
❸ Put the housing under Ⓐ part.
❻ Fit projection on Ⓓ part.
housing
Ⓒ part
❽ Hold the hanger by bending the claw.
Ⓓ part
Ⓐ part
Ⓑ part

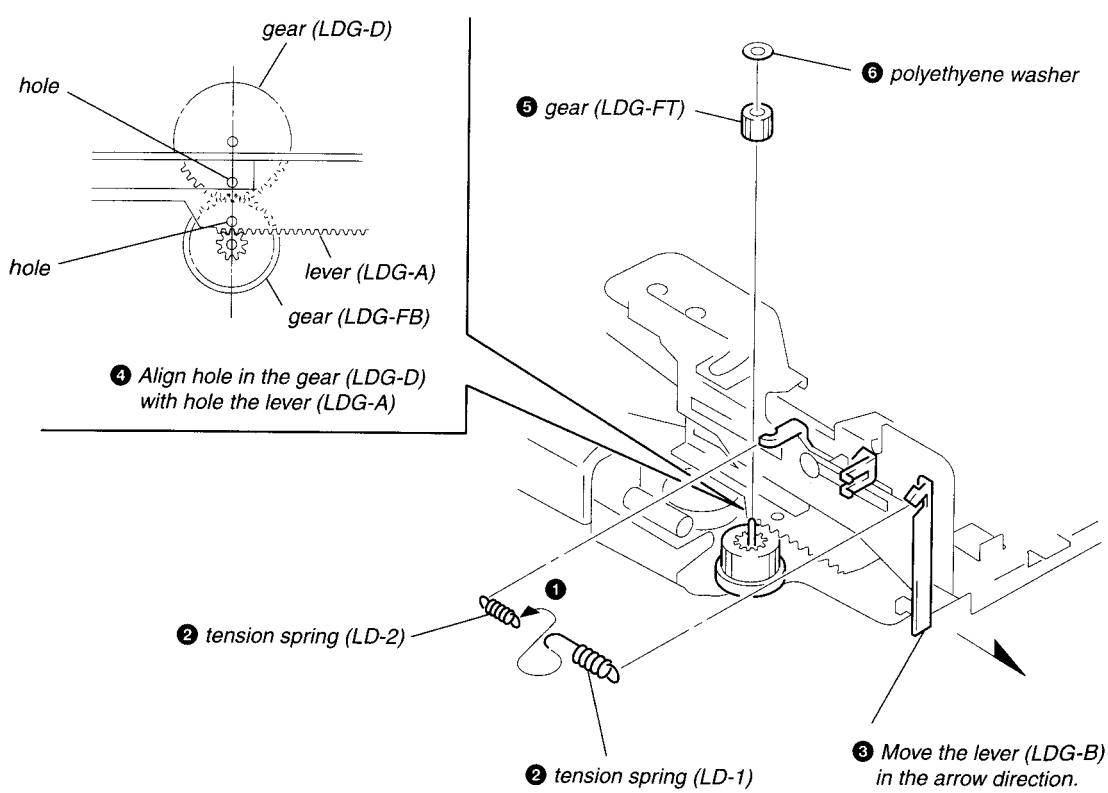
## ARM (SUCTION)



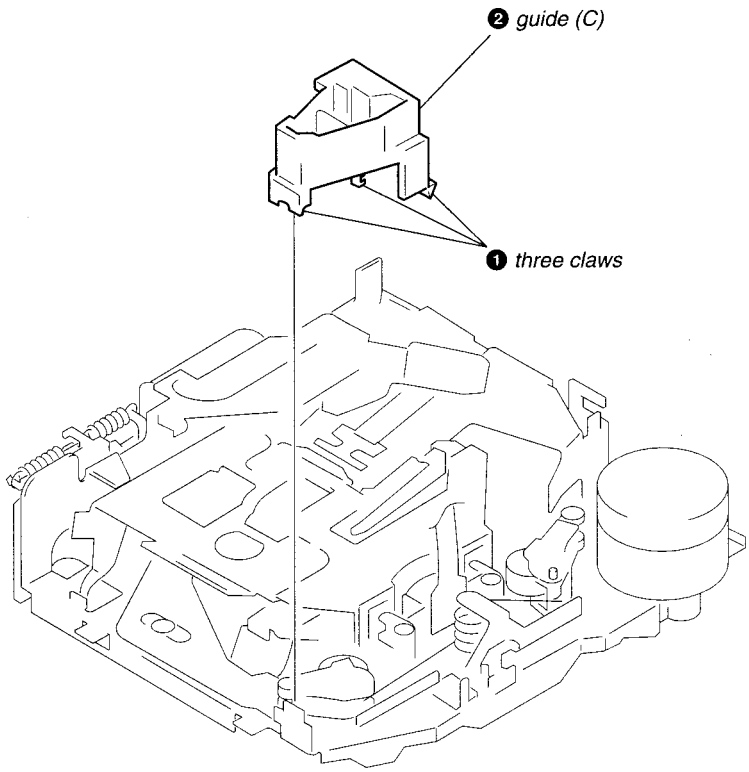
## LEVER (LDG-A) / (LDG-B)


shaft Ⓐ
shaft Ⓑ
shaft Ⓒ
❶ Fit the lever (LDG-A)on shafts Ⓐ – Ⓒ and install it.
shaft Ⓐ
shaft Ⓑ
❸ type-E stop ring 2.0
❷ Fit the lever (LDG-B) on shafts Ⓐ and Ⓑ and install it.

## GEAR (LDG-FT)



**GUIDE (C)**



# SECTION 4
# MECHANICAL ADJUSTMENTS

1. Clean the following parts with a denatured-alcohol-moistened swab:
   playback head  pinch roller
   rubber belt  capstan
   idlers
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the power supply voltage unless otherwise noted.

### • Torque Measurement

| Mode | Torqu Meter | Meter Reading |
|---|---|---|
| Forward | CQ-102C | 30 - 65 g•cm (0.42 - 0.90 oz•inch) |
| Forward Back Tension | CQ-102C | 0.5 - 4.5 g•cm (0.01 - 0.06 oz•inch) |
| Reverse | CQ-102RC | 30 - 65 g•cm (0.42 - 0.90 oz•inch) |
| Reverse Back Tension | CA-102RC | 0.5 - 4.5 g•cm (0.01 - 0.06 oz•inch) |
| FF, REW | CQ-201B | 60 - 200 g•cm (0.83 - 2.78 oz•inch) |

### • Tape Tension Measurement

| Mode | Torqu Meter | Meter Reading |
|---|---|---|
| Forward | CQ-403A | more than 90 g (more than 3.18 oz) |
| Reverse | CQ-403R | more than 90 g (more than 3.18 oz) |

# SECTION 5
# ELECTRICAL ADJUSTMENTS

### TEST MODE

This set have the test mode function. In the test mode, FM Auto Scan/Stop Level and AM (MW) Auto Scan/Stop Level adjustments can be performed easier than it in ordinary procedure.

<Set the Test Mode>
1. Set the "power select" switch (S801) is "A" position.
2. Turn ON the regulated power supply. (All LEDs on the set lights up, and the clock is displayed.)
   **Note:** Press the [OFF] button, if the clock is not displayed.
3. Push the preset [4] button.
4. Push the preset [5] button.
5. Press the preset [1] button for more than two seconds.
6. Then the display indicates all lights, the test mode is set.

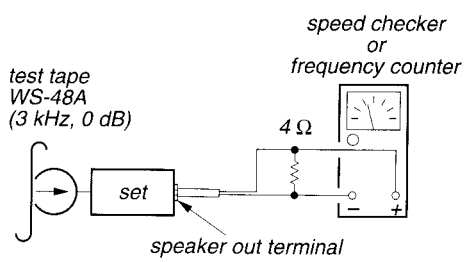
<Release the Test mode>
1. Push the [OFF] button.
2. Return the "power select" switch (S801) to initially set position.

See the adjustment location from on page 17 for the adjustment.

**TAPE DECK SECTION** | 0 dB=0.775 V

### Tape Speed Adjustment

**Setting:**




**Procedure:**
1. Put the set into the FWD PB mode.
2. Adjust adjustment resistor for inside capstan motor so that the reading on the speed checker or frequency counter becomes in specification.

**Specification:** Constant speed

| Speed checker | Frequency counter |
|---|---|
| –1.5 to +2.5% | 2,955 to 3,075 Hz |

**Adjustment Location:** See page 17.

## TUNER SECTION | 0 dB=1 µV

**Cautions during repair**
When the tuner unit is defective, replace it by a new one because its internal block is difficult to repair.

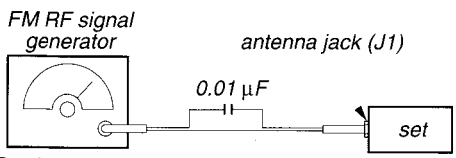
**Note:**
Adjust the tuner section in the sequence shown below.

1. FM Auto Scan/Stop Level Adjustment
2. FM Noise Focus Adjustment
3. FM Stereo Separation Adjustment
4. FM Signal Meter Adjustment
5. AM (MW) Auto Scan/Stop Level Adjustment

### FM Auto Scan/Stop Level Adjustment

**Setting:**

SOURCE button: FM

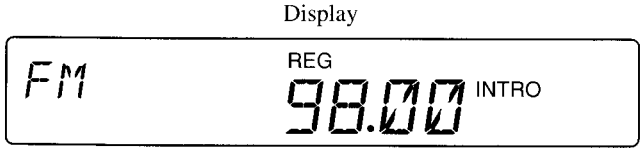



*Carrier frequency : 98.0 MHz*
*Output level : 22 dB (12.6 µV)*
*Mode : mono*
*Modulation : 1 kHz, 22.5 kHz deviation (30%)*

**Procedure:**

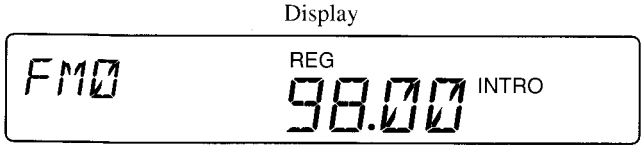
1. Set to the test mode. (See page 14).
2. Push the SOURCE button and set to FM.

Display




3. Adjust with the volume RV2 on TU1 so that the "FM" indication turns to "FM0" indication on the display window.
   But, in case of already indicated "FM0", turn the RV2 so that put out light "0" indication and adjustment.

Display

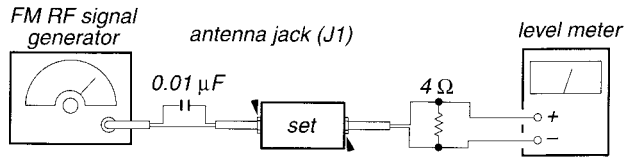



**Adjustment Location:** See page 17.

### FM Noise Focus Adjustment

**Setting:**

SOURCE button: FM




*Carrier frequency : 98.00 MHz*
*Output level : 60 dB (1 mV)*
*Mode : stereo*
*Modulation : 1 kHz, 75 kHz deviation (100%)*

*speaker out terminal*

**Procedure:**

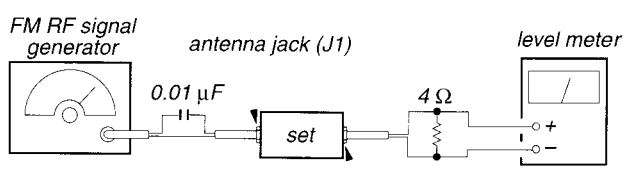
1. Tuner the 98.00 MHz.
2. The then output level is supposing that (A) dB.
3. Adjust with the volume RV3 on TU1 so that the output level is (A) –32 ± 2 dB then signal generator input set to –20 dB.

**Adjustment Location:** See page 17.

### FM Stereo Separation Adjustment

**Setting:**

SOURCE button: FM




*Carrier frequency : 98.0 MHz*
*Output level : 70 dB (3.2 mV)*
*Mode : stereo*
*Modulation : main: 1 kHz, 20 kHz deviation (26.7%)*
*sub: 1 kHz, 20 kHz deviation (26.7%)*
*19 kHz pilot: 7.5 kHz deviation (10%)*

*speaker out terminal*

**Procedure:**

| FM Stereo signal generator output channel | Level meter connection | Level meter reading (dB) |
|---|---|---|
| L-CH | L-CH | Ⓐ |
| R-CH | L-CH | Ⓑ Adjust RV4 on TU1 for minimum reading. |
| R-CH | R-CH | Ⓒ |
| L-CH | R-CH | Ⓓ Adjust RV4 on TU1 for minimum reading. |

L-CH Stereo separation: Ⓐ-Ⓑ
R-CH Stereo separation: Ⓒ-Ⓓ
The separations of both channels should be equal.

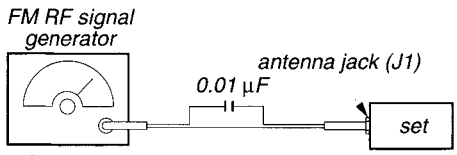
**Specification:** Separation more than 30 dB

**Adjustment Location:** See page 17.

### FM Signal Meter Adjustment

**Setting:**

SOURCE button: FM

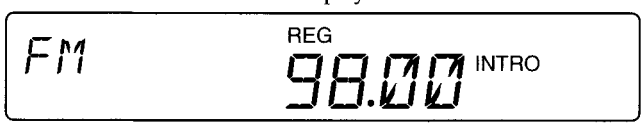



*Carrier frequency : 98.00 MHz*
*Output level : 35 dB (56.2 µV)*
*Mode : mono*
*Modulation : no modulation*

**Procedure:**

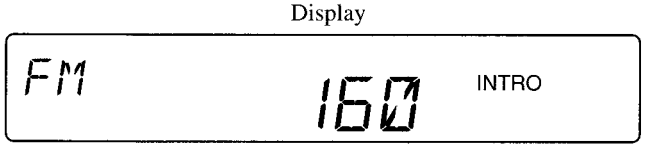
1. Set to the test mode. (See page 14.)
2. Push the SOURCE button and set to FM.

Display




3. Push the 6 button.
4. Adjust RV1 so that the display indication is "160".

Display




**Specification:** Display indication: 158 to 162

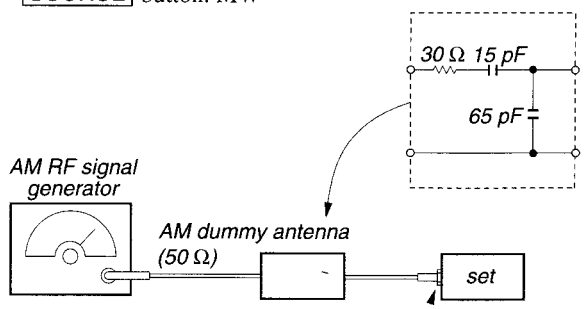
**Adjustment Location:** See page 17.

### AM (MW) Auto Scan/Stop Level Adjustment

Make this adjustment after "FM Auto Scan/Stop Level Adjustment".

**Setting:**

SOURCE button: MW

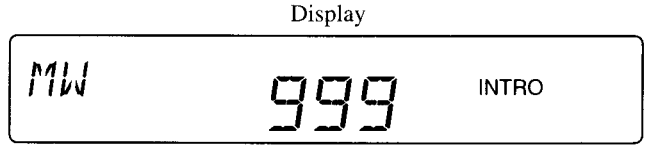



*Carrier frequency : 999 kHz*
*30% amplitude modulation by 1 kHz signal*
*Output level : 33 dB (44.7 µV)*

**Procedure:**

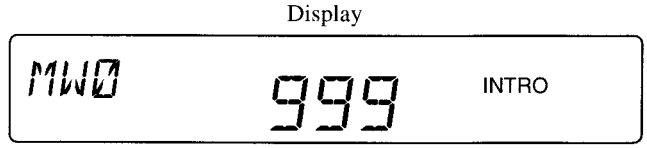
1. Set to the test mode. (See page 14.)
2. Push the SOURCE button and set to FM.
3. Push the MODE button and set to MW.

Display




4. Adjust with the volume RV1 on TU1 so that the "MW" indication turns to "MW0" indication on the display window. But, in case of already indicated "MW0", turn the RV1 so that put out light "0" indication and adjustment.

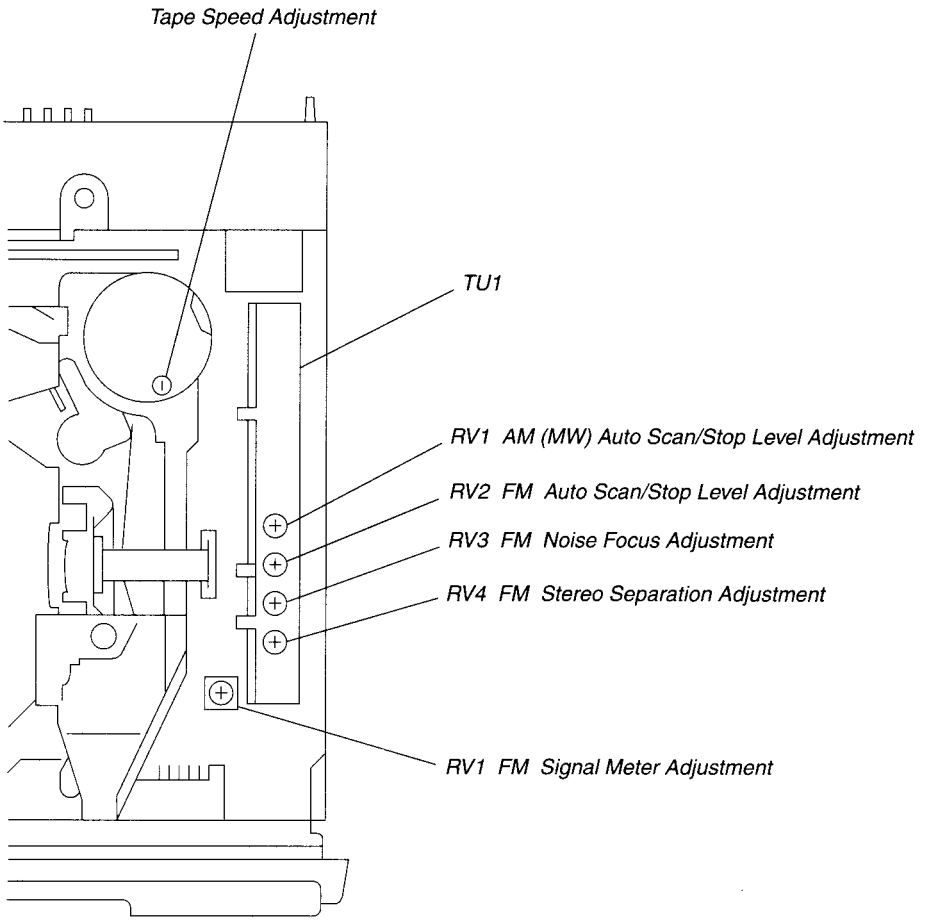
Display




**Adjustment Location:** See page 17.

**Adjustment Location:**

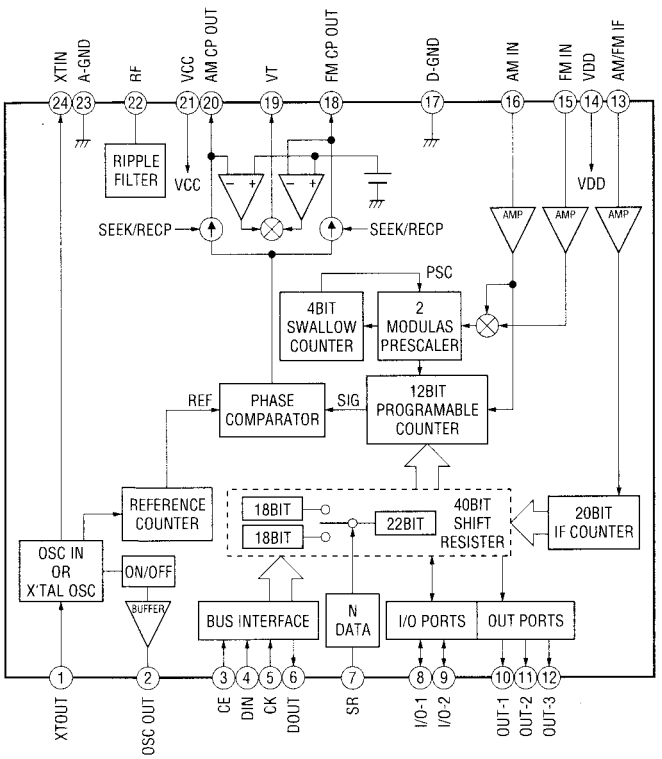
*– SET UPPER VIEW –*


Tape Speed Adjustment
TU1
RV1 AM (MW) Auto Scan/Stop Level Adjustment
RV2 FM Auto Scan/Stop Level Adjustment
RV3 FM Noise Focus Adjustment
RV4 FM Stereo Separation Adjustment
RV1 FM Signal Meter Adjustment

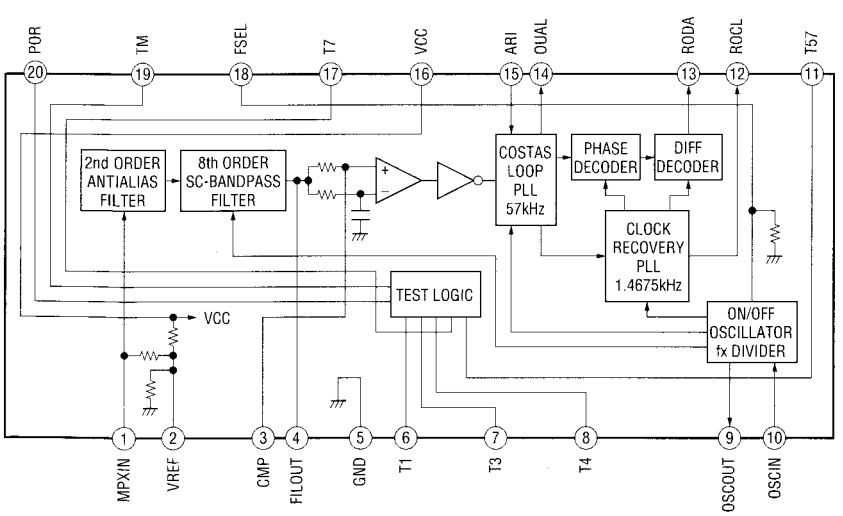
# SECTION 6
# DIAGRAMS

**• IC Block Diagrams – MAIN Board –**

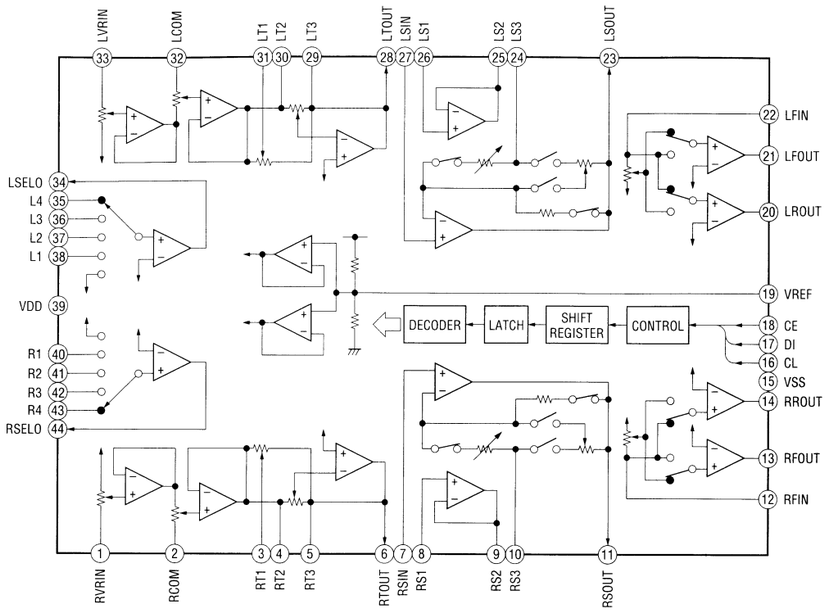
**IC1 TB2114F (EL)**



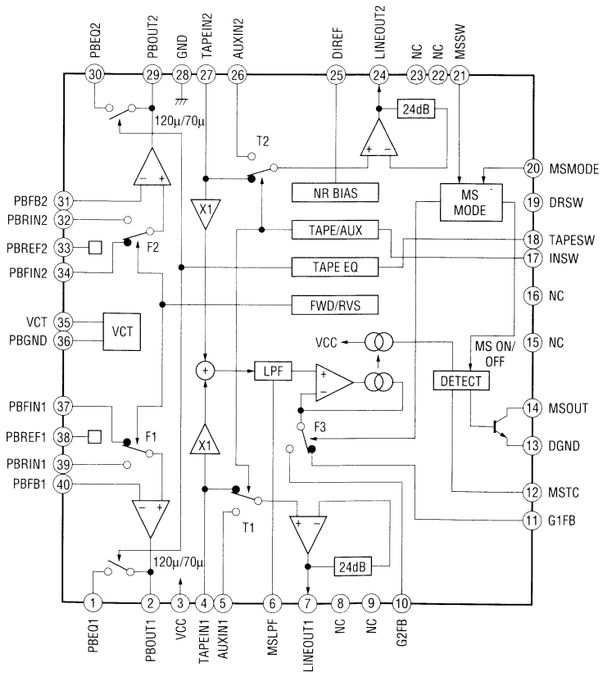

**IC3 TDA7330BD-013TR**



## IC151 LC75373ED

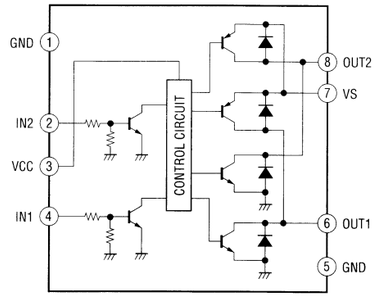



## IC351 CXA2509AQ-T4

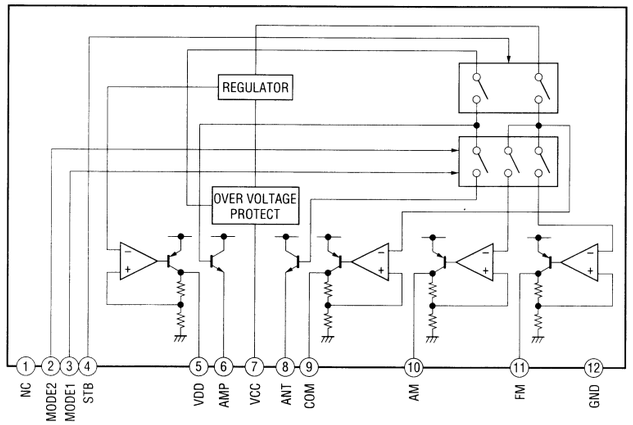





## IC360 MM1322XFBE

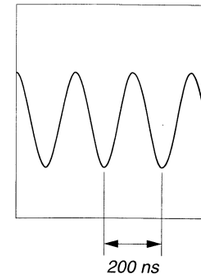



## IC601 BA3918-V2

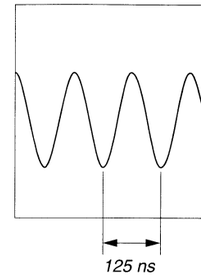



## • Waveforms

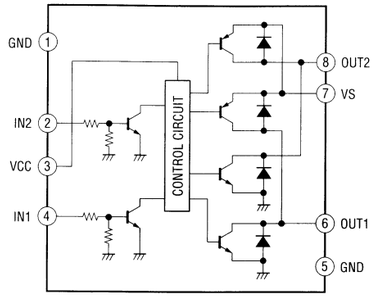
❶ IC1 ① XO



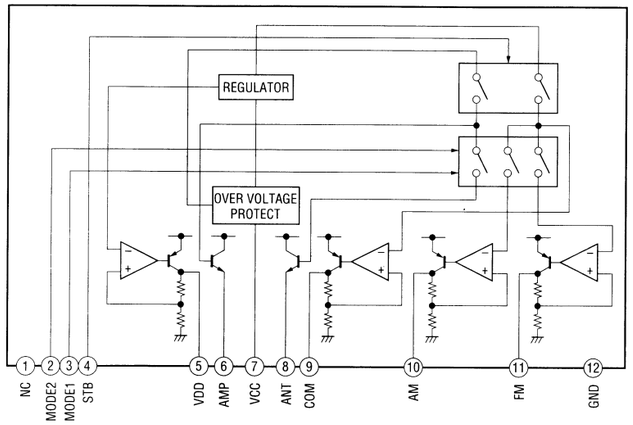

❸ IC501 ⑨ X OUT



## IC360 MM1322XFBE



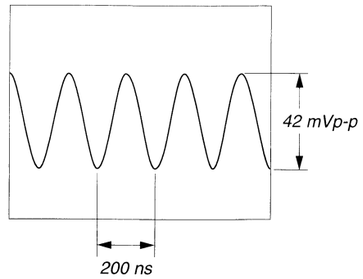

## IC601 BA3918-V2



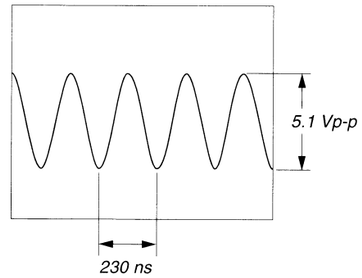



## • Waveforms

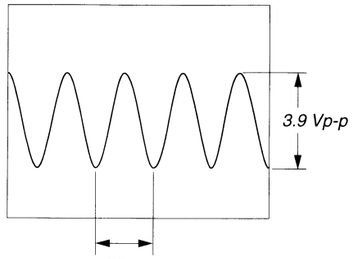
❶ IC1 ① XO



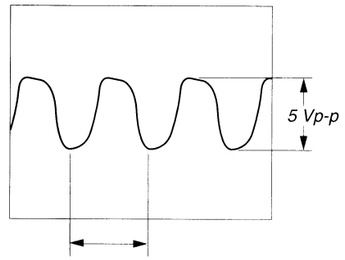

❷ IC3 ⑨ XO




❸ IC501 ⑨ X OUT




❹ IC501 ⑫ XT OUT



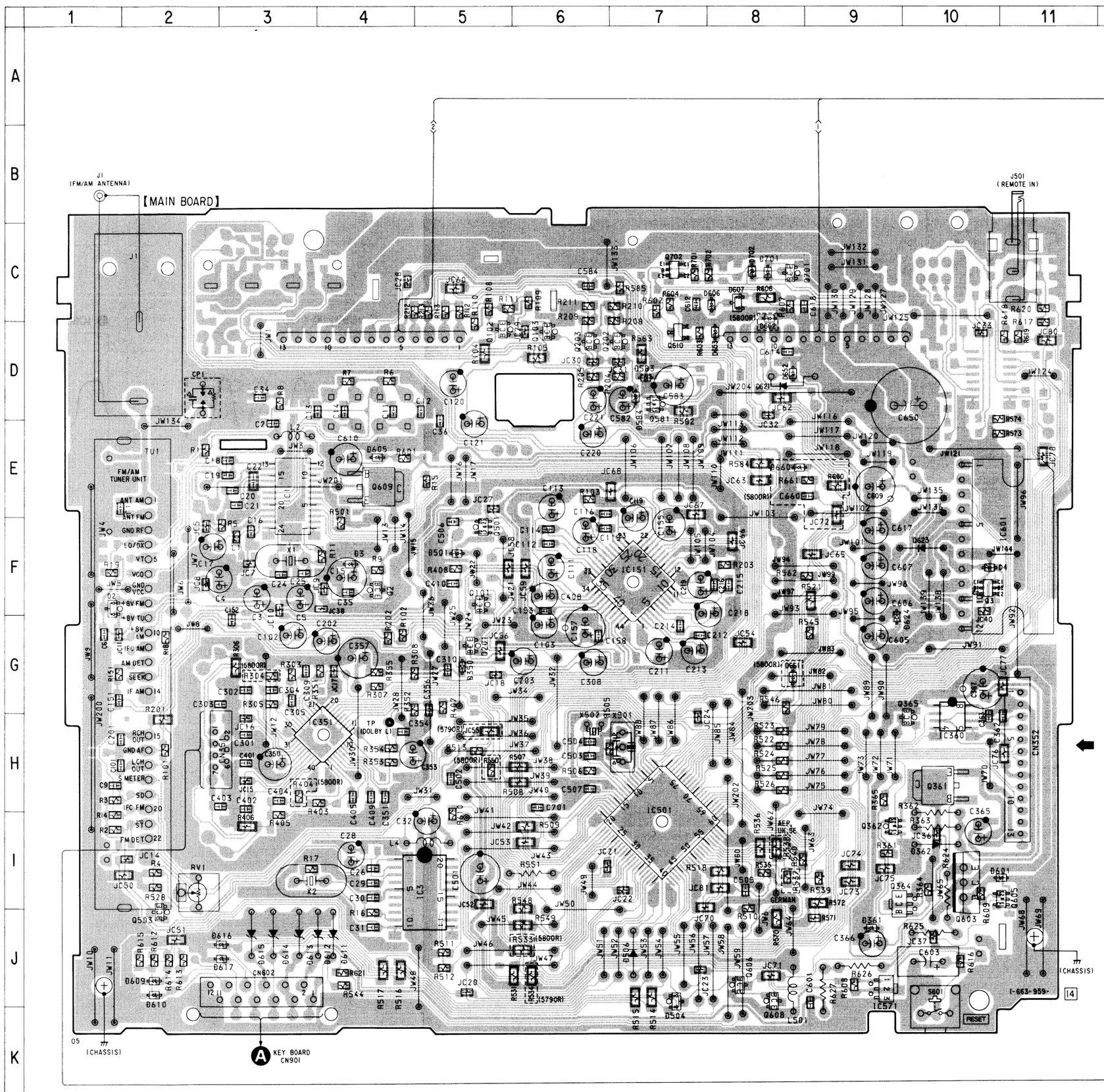
## 6-1. PRINTED WIRING BOARDS – MAIN Section –

• **Semiconductor Location**

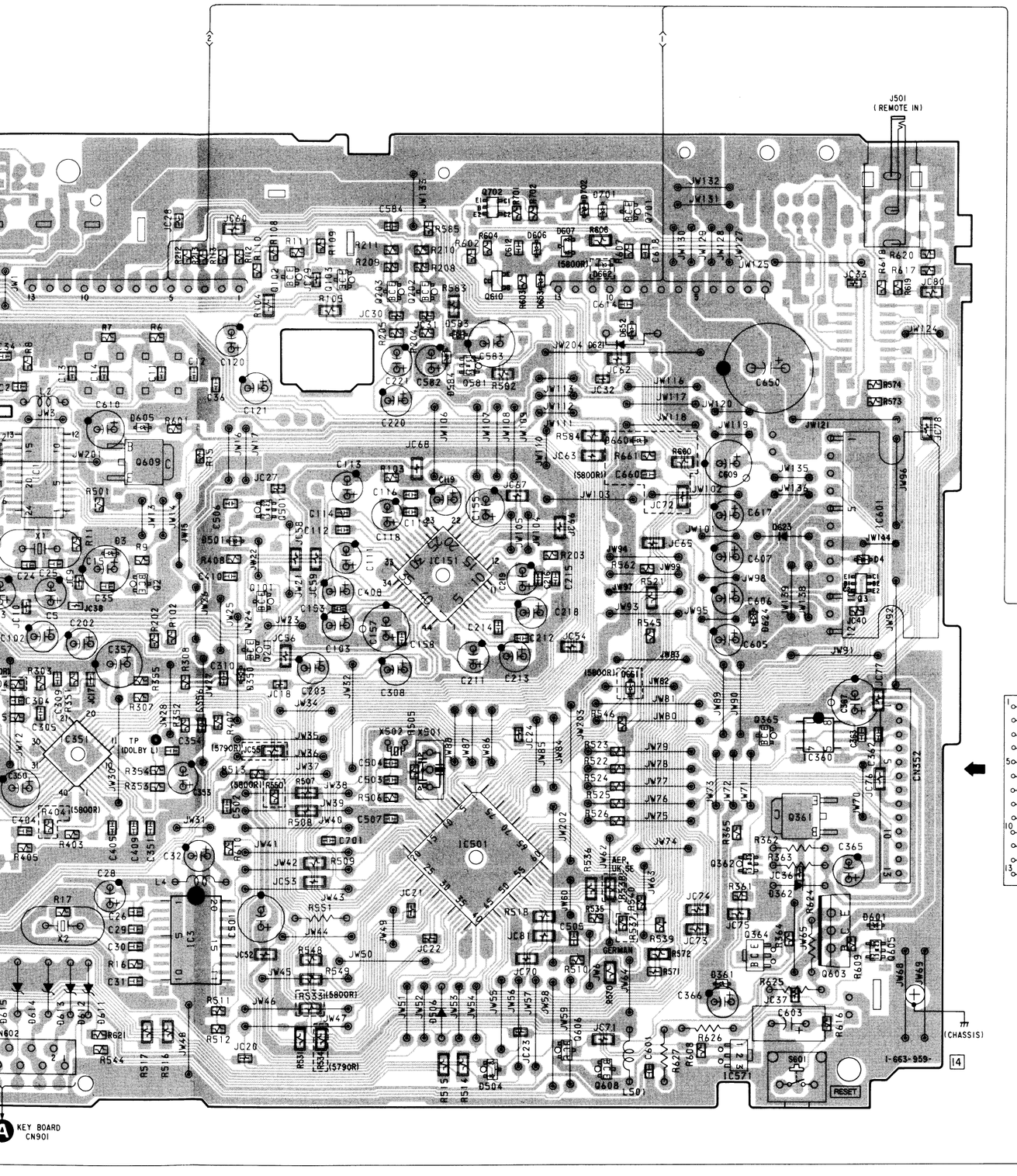
| Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|
| D2 | F-1 | D823 | E-17 |
| D3 | F-4 | D824 | D-17 |
| D4 | F-10 | D825 | E-17 |
| D350 | G-5 | D826 | E-17 |
| D361 | J-9 | | |
| D362 | I-10 | IC1 | E-3 |
| D501 | F-5 | IC3 | I-5 |
| D504 | J-7 | IC151 | F-7 |
| D506 | J-7 | IC351 | H-4 |
| D583 | D-7 | IC360 | H-10 |
| D584 | D-7 | IC501 | H-7 |
| D601 | I-11 | IC571 | J-9 |
| D605 | E-4 | IC601 | F-11 |
| D606 | C-8 | IC801 | D-18 |
| D607 | C-8 | | |
| D609 | J-2 | Q2 | F-4 |
| D610 | J-2 | Q3 | F-10 |
| D611 | J-4 | Q101 | F-5 |
| D612 | J-4 | Q102 | D-5 |
| D613 | J-3 | Q103 | D-6 |
| D614 | J-3 | Q201 | G-5 |
| D615 | J-3 | Q202 | D-7 |
| D616 | J-3 | Q203 | D-6 |
| D617 | J-3 | Q361 | H-10 |
| D621 | D-8 | Q362 | I-9 |
| D623 | F-10 | Q364 | I-9 |
| D624 | G-9 | Q365 | H-10 |
| D652 | D-8 | Q501 | F-5 |
| D653 | D-8 | Q503 | J-2 |
| D660 | E-8 | Q581 | D-7 |
| D661 | G-8 | Q603 | I-10 |
| D662 | C-8 | Q605 | I-11 |
| D701 | C-8 | Q606 | J-8 |
| D702 | C-8 | Q608 | J-8 |
| D801 | E-13 | Q609 | E-4 |
| D813 | E-18 | Q610 | D-7 |
| D814 | E-18 | Q701 | C-8 |
| D815 | E-18 | Q702 | C-7 |
| D816 | E-17 | | |

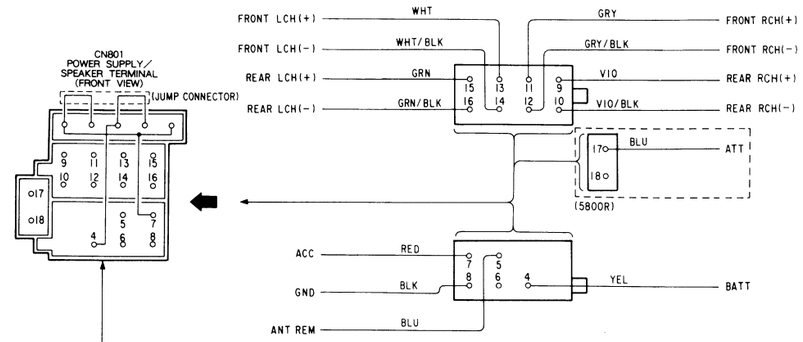
**Note on Printed Wiring Board:**

- o——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- △ : internal component.
- ▨ : Pattern from the side which enables seeing.
- Abbreviation
  SE : South European

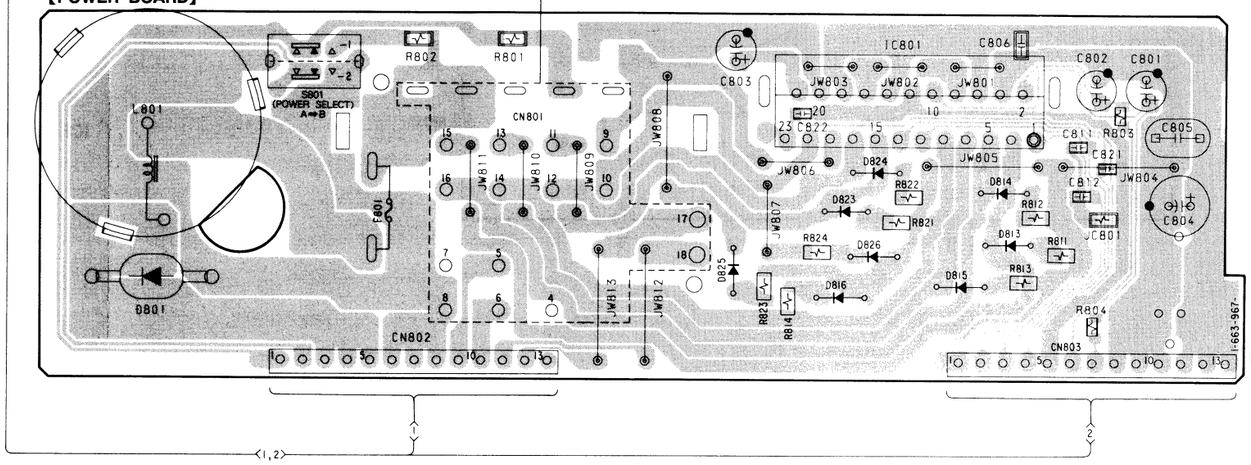


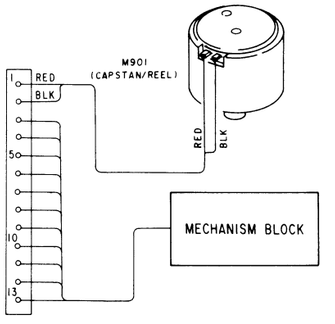
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

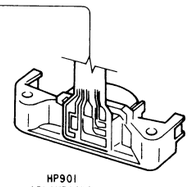


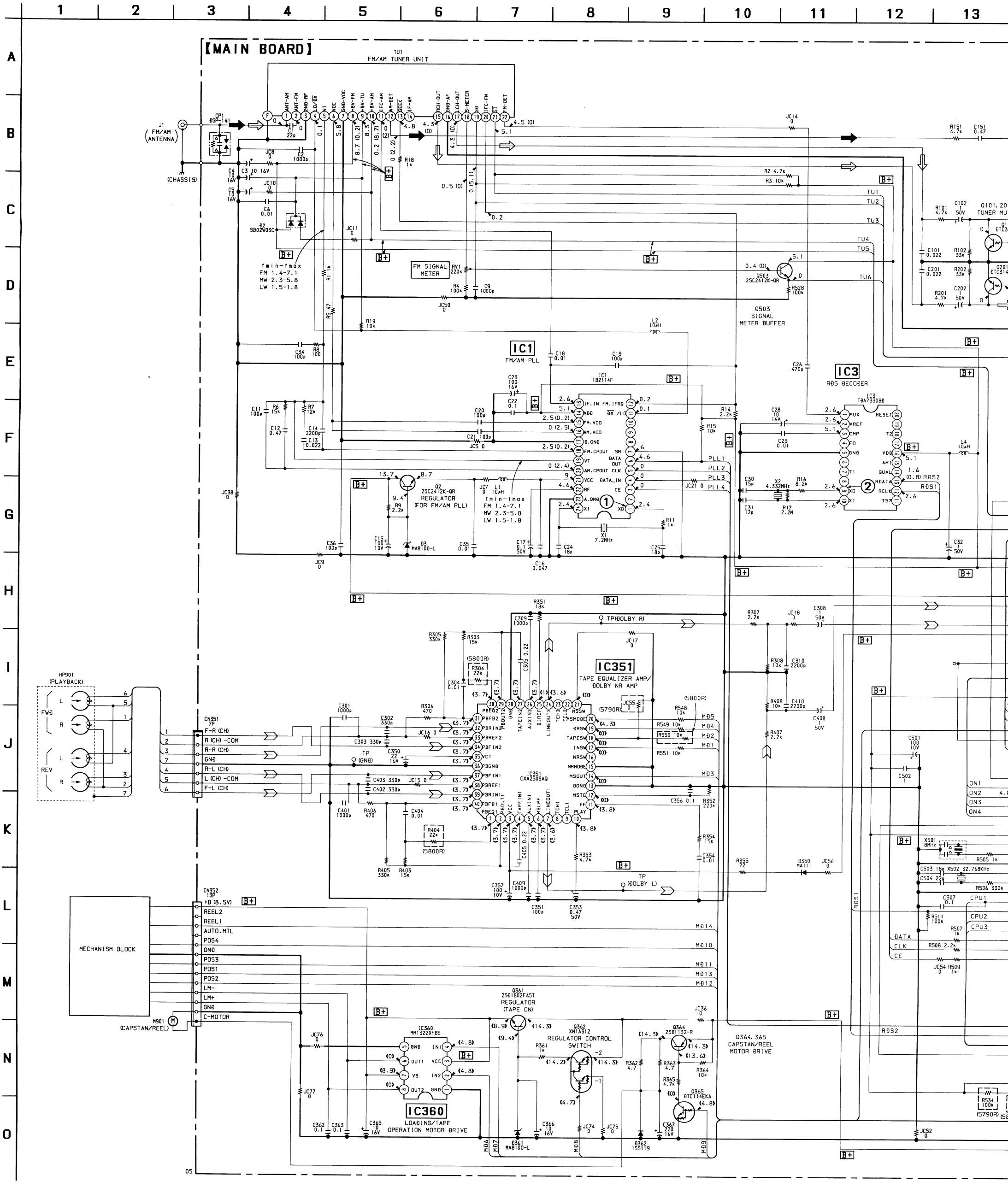

【POWER BOARD】



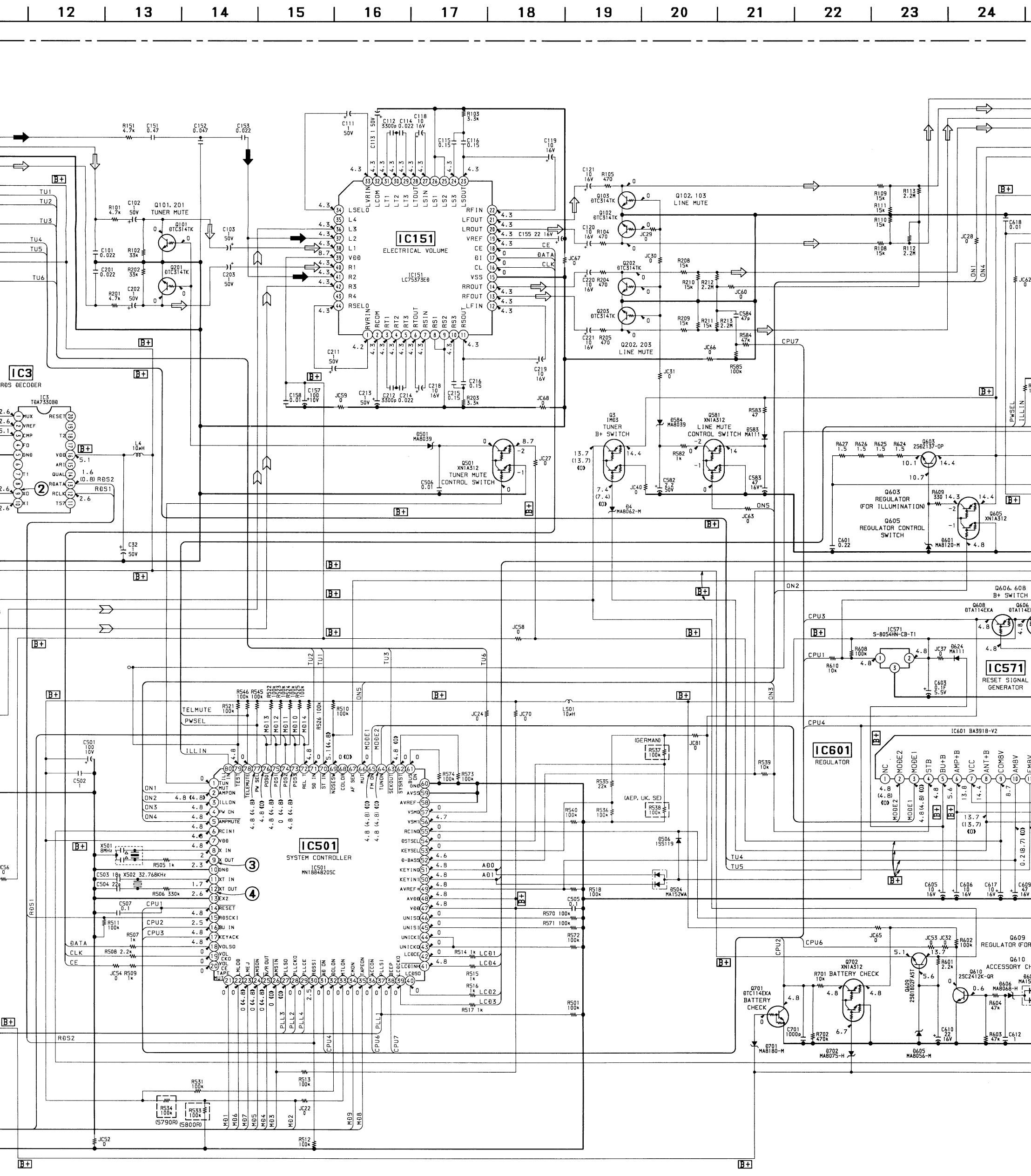



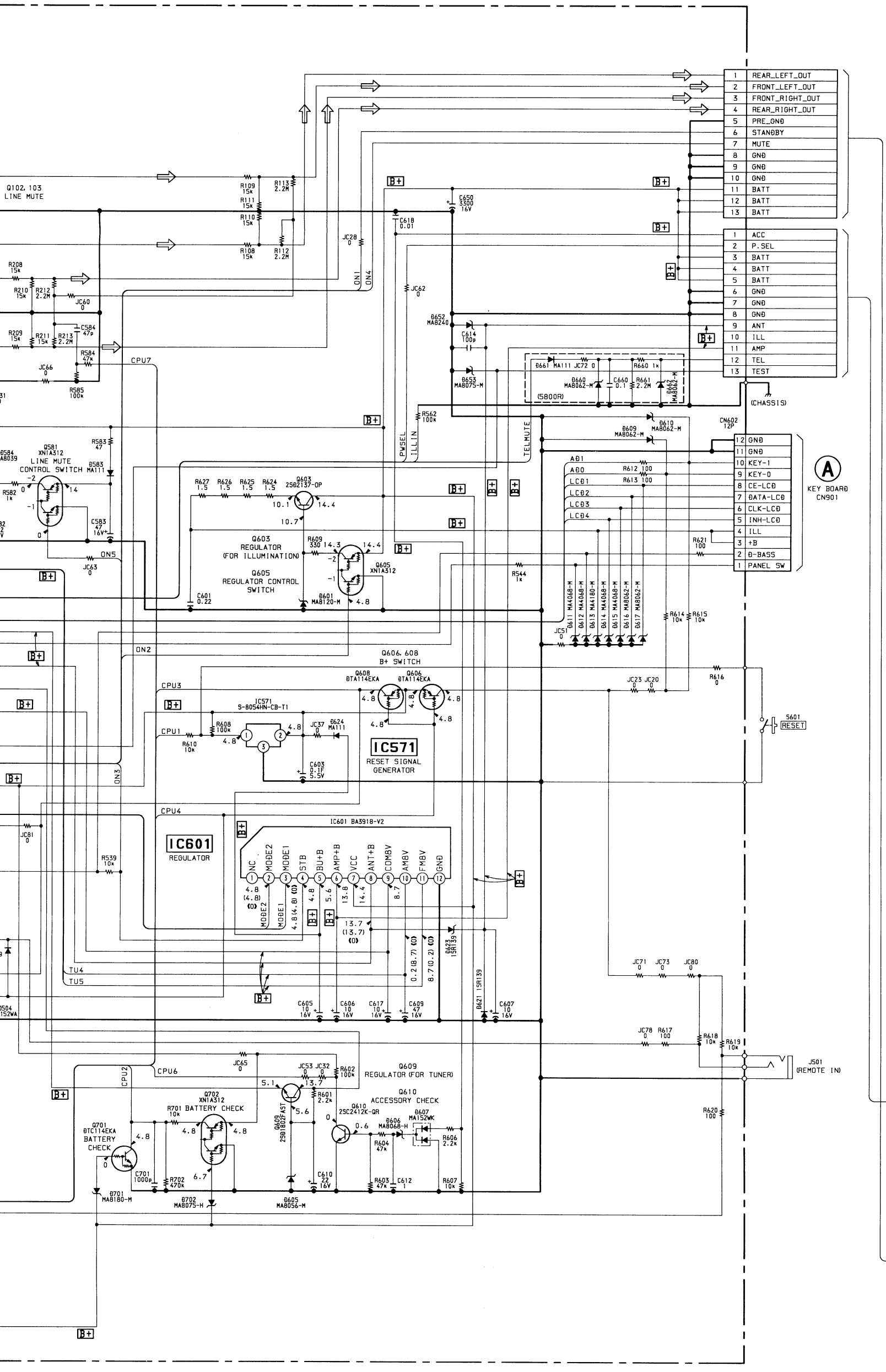



## 6-2. SCHEMATIC DIAGRAM – MAIN Section – • See page 18 for IC Block Diagrams, see page 21 for Waveforms, and see page 39 for IC Pin Function Description.



tion Description.



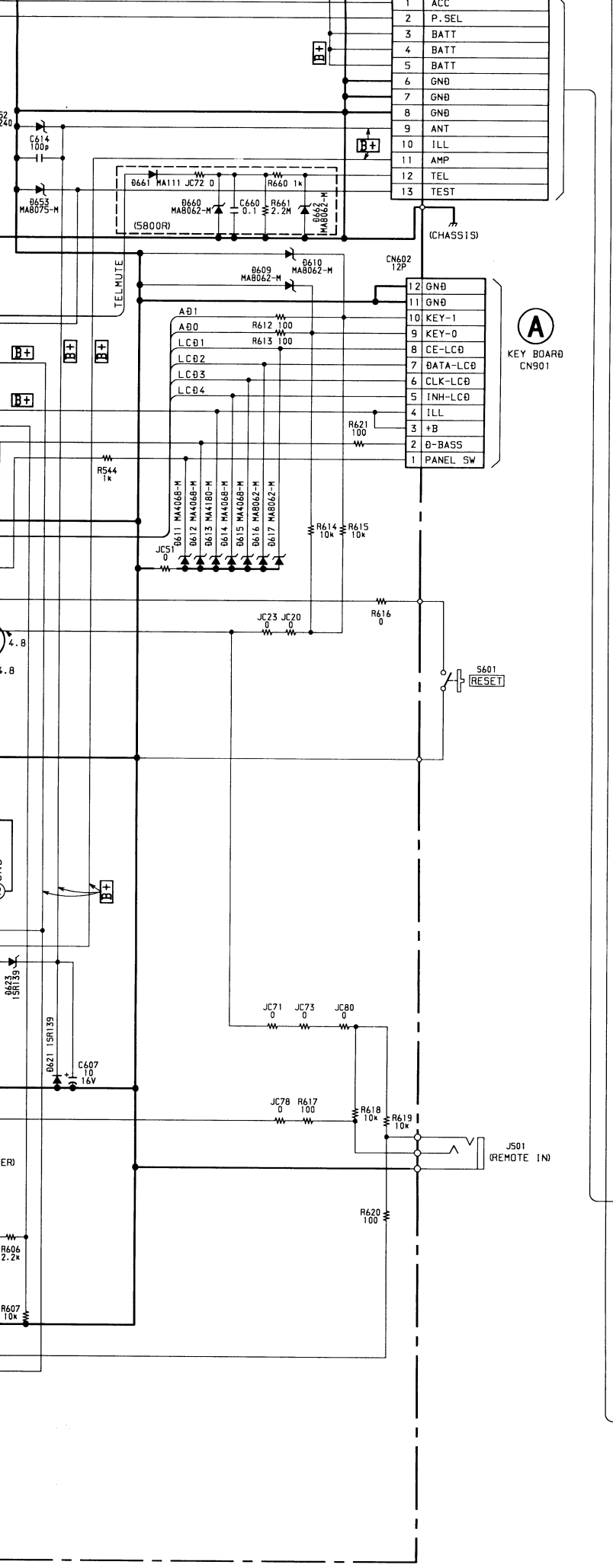

REAR_LEFT_OUT
FRONT_LEFT_OUT
FRONT_RIGHT_OUT
REAR_RIGHT_OUT
PRE_GND
STANDBY
MUTE
GND
BATT
ACC
P.SEL
ANT
ILL
AMP
TEL
TEST
(CHASSIS)
CN602 12P
KEY-1
KEY-0
CE-LCD
DATA-LCD
CLK-LCD
INH-LCD
+B
B-BASS
PANEL SW
KEY BOARD CN901
Q102, 103 LINE MUTE
Q581 XN1A312 LINE MUTE CONTROL SWITCH
Q603 2SB2137-OP
Q603 REGULATOR (FOR ILLUMINATION)
Q605 XN1A312
Q605 REGULATOR CONTROL SWITCH
Q606, 608 B+ SWITCH
Q608 DTA114EKA
Q606 DTA114EKA
IC571 S-8054HN-CB-T1
IC571 RESET SIGNAL GENERATOR
IC601 BA3918-V2
IC601 REGULATOR
Q609 REGULATOR (FOR TUNER)
Q610 2SC2412K-QR
Q610 ACCESSORY CHECK
Q701 DTC114EKA BATTERY CHECK
Q702 XN1A312 R701 BATTERY CHECK
S601 RESET
(5800R)
CPU1
CPU2
CPU3
CPU4
CPU6
CPU7
ON1
ON2
ON3
ON4
ON5
TU4
TU5
PWSEL
ILLIN
TELMUTE
J501 (REMOTE IN)
【POWER BOARD】
S801 (POWER SELECT)
CN802 13P
CN803 13P
RL IN
FL IN
FR IN
RR IN
PRE GND

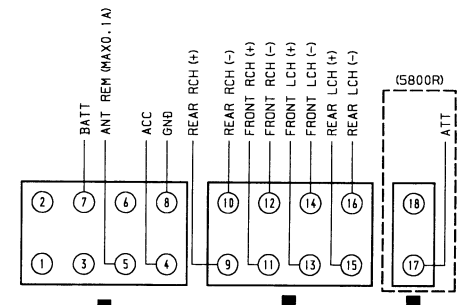
25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37

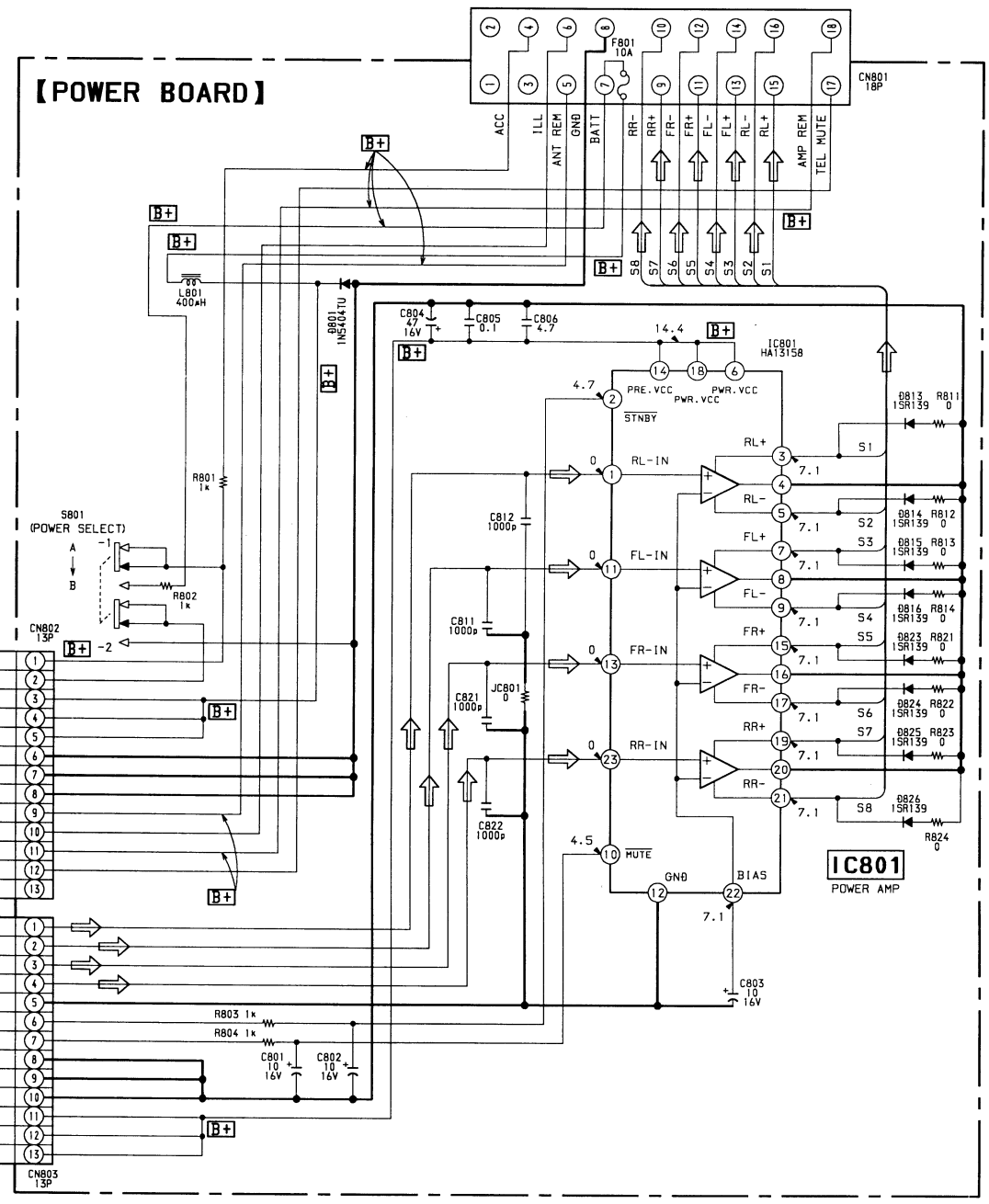
A B C D E F G H I J K L M N O

**Note on Schematic Diagram:**

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.
- B+ : B+ Line.
- Power voltage is dc 14.4 V and fed with regulated dc power supply from battery and accessory terminals.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : MW (LW)
  << >> : TAPE PLAYBACK
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ➡ : MW (LW)
  Σ : TAPE PLAYBACK
- Abbreviation
  SE : South European

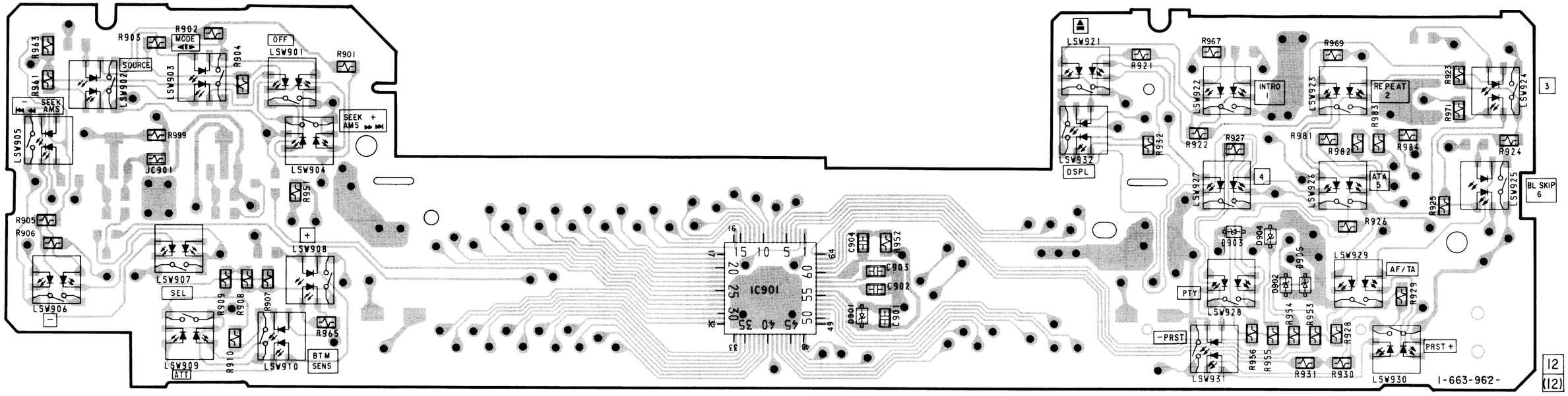


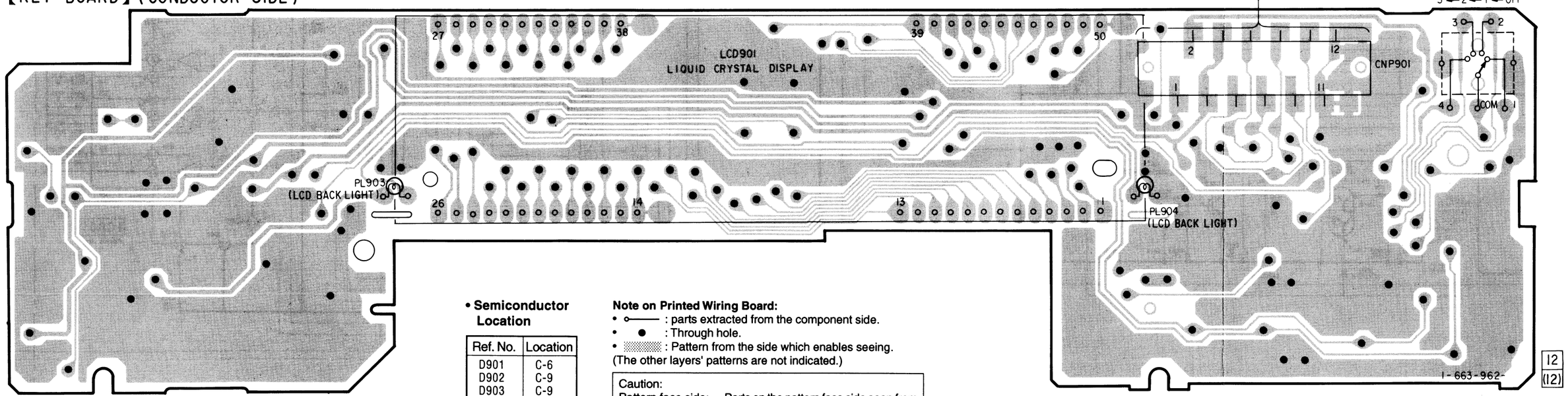



## 6-3. PRINTED WIRNING BOARD – PANEL Section – (XR-5790R)

【KEY BOARD】(COMPONENT SIDE)




【KEY BOARD】(CONDUCTOR SIDE)




05

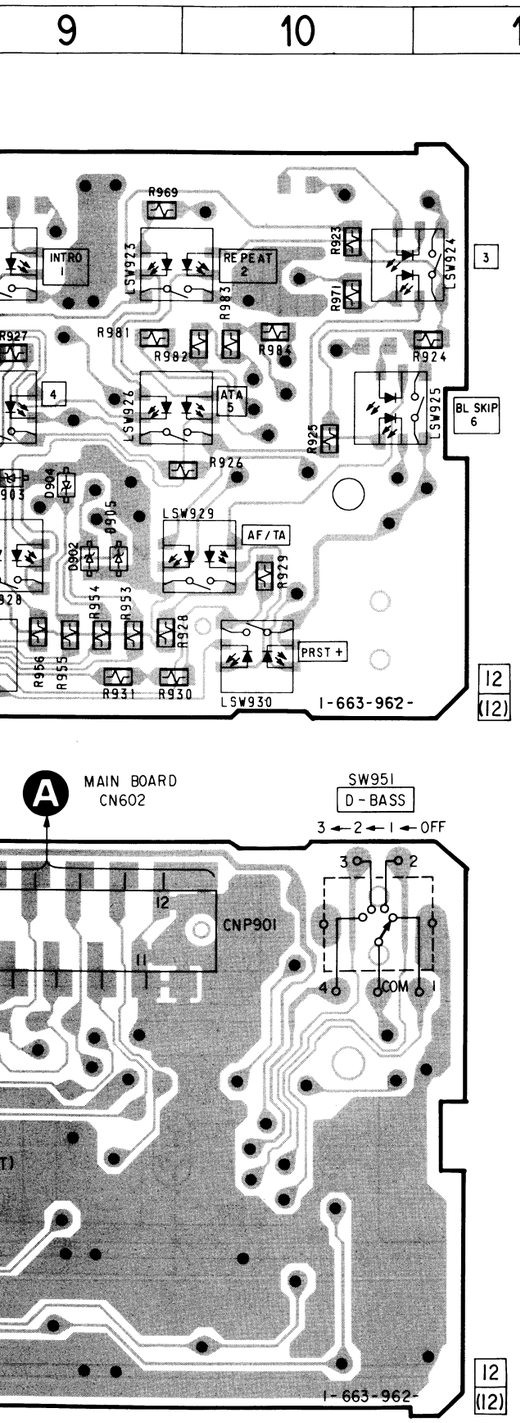
**• Semiconductor Location**

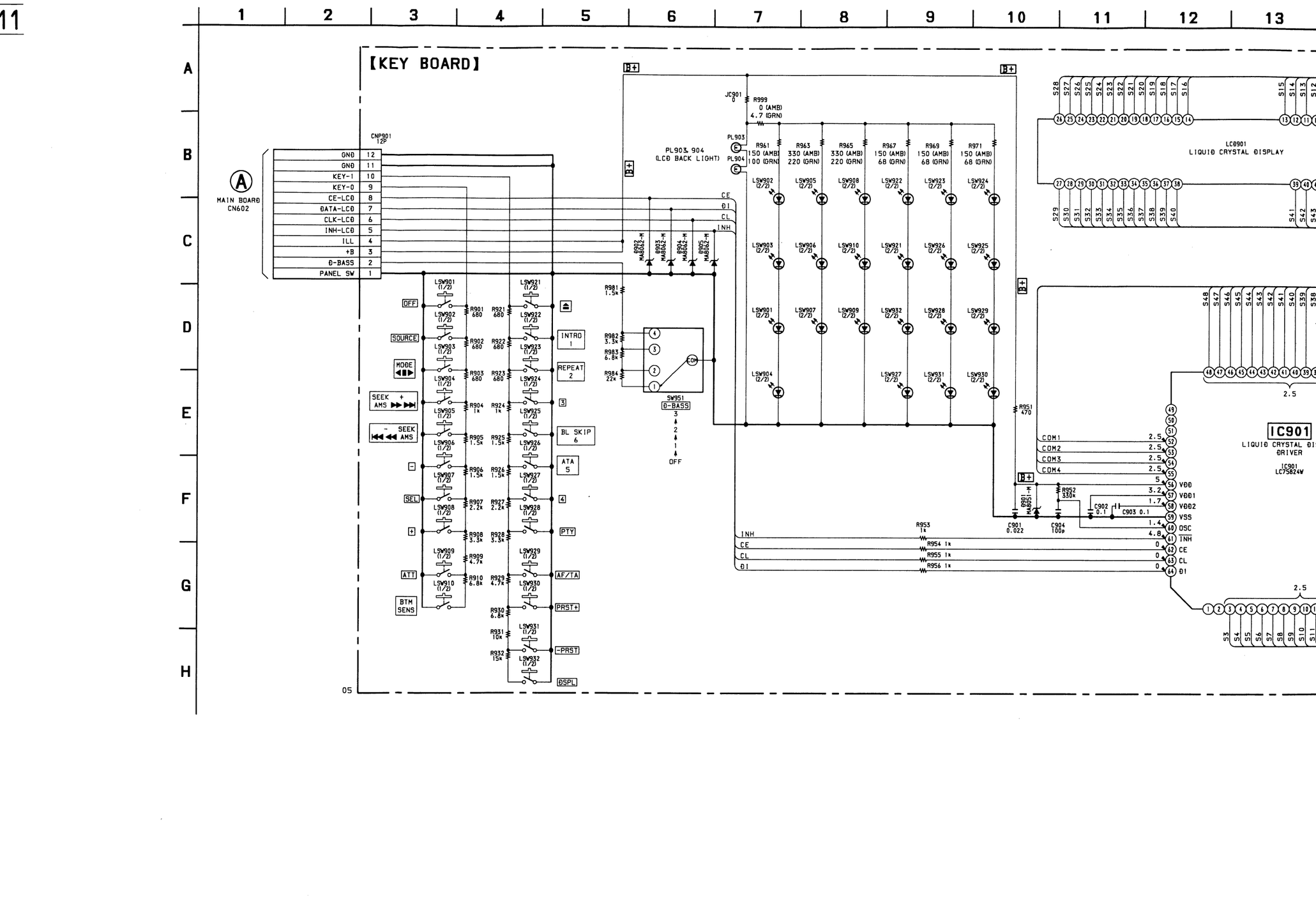
| Ref. No. | Location |
|---|---|
| D901 | C-6 |
| D902 | C-9 |
| D903 | C-9 |
| D904 | C-9 |
| D905 | C-9 |
| IC901 | C-6 |

**Note on Printed Wiring Board:**
- ○—— : parts extracted from the component side.
- ● : Through hole.
- ▒▒ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

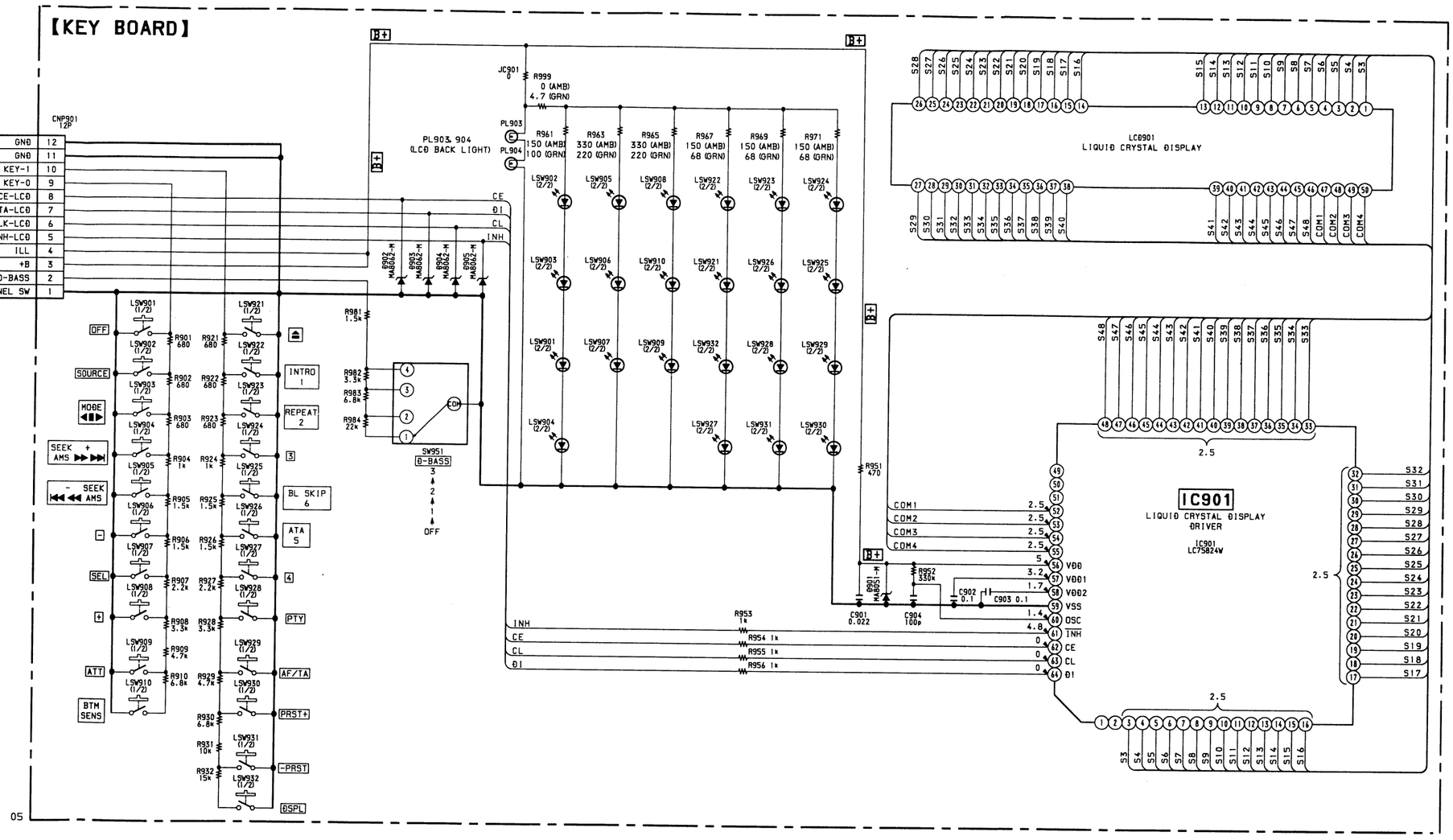
| Caution: | |
|---|---|
| Pattern face side: (Conductor Side) | Parts on the pattern face side seen from the pattern face are indicated. |
| Parts face side: (Component Side) | Parts on the parts face side seen from the parts face are indicated. |


9
10
11
R969
INTRO 1
REPEAT 2
ATA 5
BL SKIP 6
AF/TA
PRST +
LSW925
LSW926
LSW924
LSW929
LSW930
R923
R971
R981
R982
R984
R924
R927
R926
R925
R904
R905
R902
R954
R933
R928
R929
R956
R955
R931
R930
3
4
12
(12)
I-663-962-
A
MAIN BOARD
CN602
SW951
D-BASS
3←2←1←OFF
CNP901
12
11
3
2
4
COM
1
T)
12
(12)
I-663-962-


1
2
3
4
5
6
7
8
9
10
11
12
13
A
B
C
D
E
F
G
H
【KEY BOARD】
A
MAIN BOARD
CN602
CNP901
12P
GND 12
GND 11
KEY-1 10
KEY-0 9
CE-LC0 8
DATA-LC0 7
CLK-LC0 6
INH-LC0 5
ILL 4
+B 3
D-BASS 2
PANEL SW 1
B+
JC901 0
R999 0 (AMB) 4.7 (GRN)
PL903
PL904
PL903, 904
(LCD BACK LIGHT)
R961 150 (AMB) 100 (GRN)
R963 330 (AMB) 220 (GRN)
R965 330 (AMB) 220 (GRN)
R967 150 (AMB) 68 (GRN)
R969 150 (AMB) 68 (GRN)
R971 150 (AMB) 68 (GRN)
D902 MA8062-M
D903 MA8062-M
D904 MA8062-M
D905 MA8062-M
CE
DI
CL
INH
LSW902 (2/2)
LSW905 (2/2)
LSW908 (2/2)
LSW922 (2/2)
LSW923 (2/2)
LSW924 (2/2)
LSW903 (2/2)
LSW906 (2/2)
LSW910 (2/2)
LSW921 (2/2)
LSW926 (2/2)
LSW925 (2/2)
LSW901 (2/2)
LSW907 (2/2)
LSW909 (2/2)
LSW932 (2/2)
LSW928 (2/2)
LSW929 (2/2)
LSW904 (2/2)
LSW927 (2/2)
LSW931 (2/2)
LSW930 (2/2)
R981 1.5k
R982 3.3k
R983 6.8k
R984 22k
SW951
D-BASS
3
2
1
OFF
OFF
SOURCE
MODE
SEEK + AMS
SEEK - AMS
SEL
ATT
BTM SENS
INTRO 1
REPEAT 2
3
BL SKIP 6
ATA 5
4
PTY
AF/TA
PRST+
-PRST
DSPL
LSW901 (1/2)
LSW902 (1/2)
LSW903 (1/2)
LSW904 (1/2)
LSW905 (1/2)
LSW906 (1/2)
LSW907 (1/2)
LSW908 (1/2)
LSW909 (1/2)
LSW910 (1/2)
LSW921 (1/2)
LSW922 (1/2)
LSW923 (1/2)
LSW924 (1/2)
LSW925 (1/2)
LSW926 (1/2)
LSW927 (1/2)
LSW928 (1/2)
LSW929 (1/2)
LSW930 (1/2)
LSW931 (1/2)
LSW932 (1/2)
R901 680
R902 680
R903 680
R904 1k
R905 1.5k
R906 1.5k
R907 2.2k
R908 3.3k
R909 4.7k
R910 6.8k
R921 680
R922 680
R923 680
R924 1k
R925 1.5k
R926 1.5k
R927 2.2k
R928 3.3k
R929 4.7k
R930 6.8k
R931 10k
R932 15k
LC0901
LIQUID CRYSTAL DISPLAY
S28 S27 S26 S25 S24 S23 S22 S21 S20 S19 S18 S17 S16 S15 S14 S13 S12
26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11
27 28 29 30 31 32 33 34 35 36 37 38 39 40
S29 S30 S31 S32 S33 S34 S35 S36 S37 S38 S39 S40 S41 S42 S43
IC901
LIQUID CRYSTAL DI
DRIVER
IC901
LC75824W
S48 S47 S46 S45 S44 S43 S42 S41 S40 S39 S38
48 47 46 45 44 43 42 41 40 39 38
2.5
R951 470
COM1 2.5 52
COM2 2.5 53
COM3 2.5 54
COM4 2.5 55
5 56 VDD
3.2 57 VDD1
1.7 58 VDD2
59 VSS
1.4 60 OSC
4.8 61 INH
0 62 CE
0 63 CL
0 64 DI
R952 330k
R953 1k
R954 1k
R955 1k
R956 1k
C901 0.022
C902 0.1
C903 0.1
C904 100p
INH
CE
CL
DI
2.5
1 2 3 4 5 6 7 8 9 10 11
S3 S4 S5 S6 S7 S8 S9 S10 S11
05

## SCHEMATIC DIAGRAM – PANEL Section – (XR-5790R)

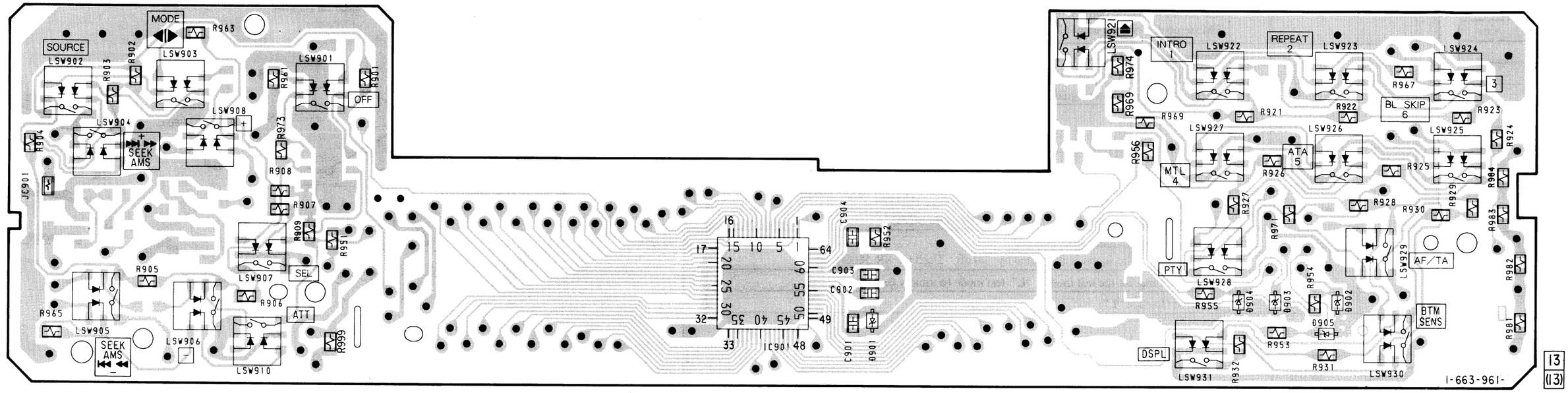
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15



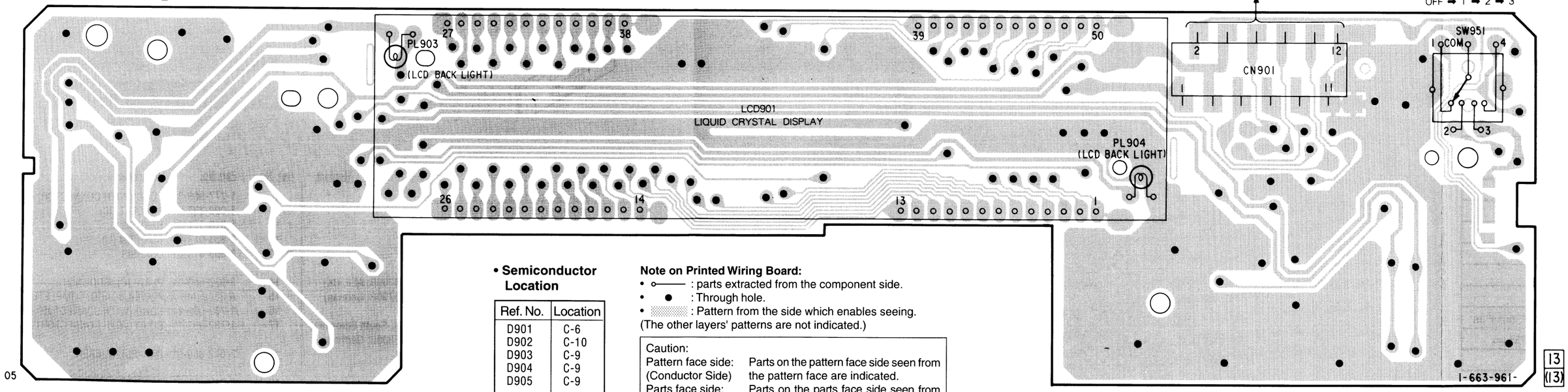

**Note on Schematic Diagram:**

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ▭ : panel designation.
- B+ : B+ Line.
- Power voltage is dc 14.4 V and fed with regulated dc power supply from battery and accessory terminal.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Abbreviation
  AMB : AMBER illumination model.
  GRN : GREEN illumination model.

【KEY BOARD】(COMPONENT SIDE)




【KEY BOARD】(CONDUCTOR SIDE)




05

**• Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D901 | C-6 |
| D902 | C-10 |
| D903 | C-9 |
| D904 | C-9 |
| D905 | C-9 |
| IC901 | C-6 |

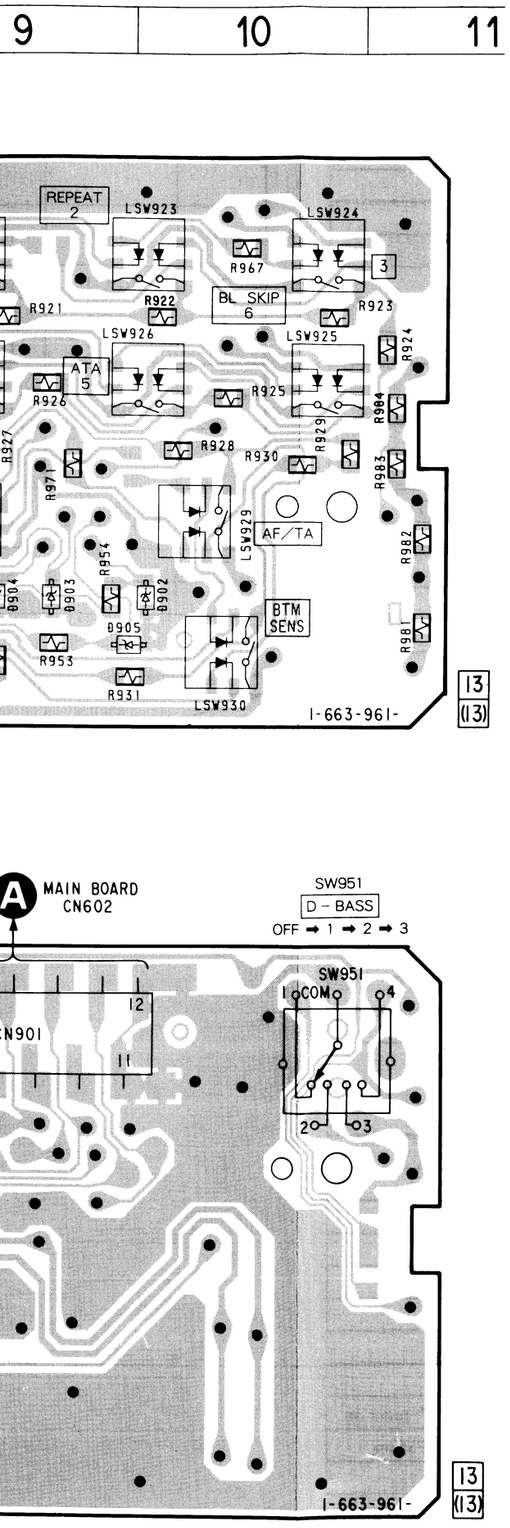
**Note on Printed Wiring Board:**

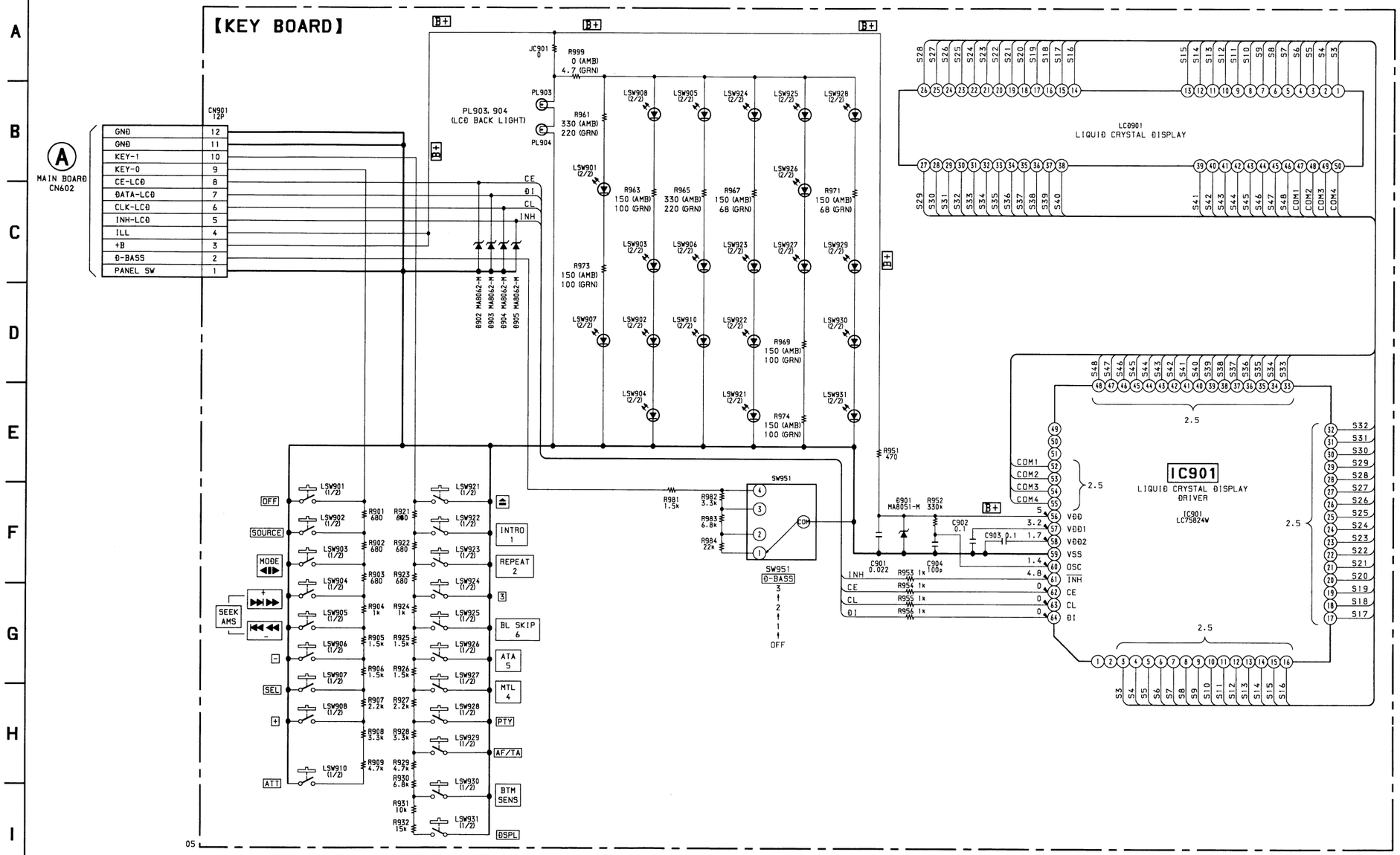
- ○—— : parts extracted from the component side.
- ● : Through hole.
- ▒▒ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

| Caution: | |
|---|---|
| Pattern face side: (Conductor Side) | Parts on the pattern face side seen from the pattern face are indicated. |
| Parts face side: (Component Side) | Parts on the parts face side seen from the parts face are indicated. |

## 6-6. SCHEMATIC DIAGRAM – PANEL Section – (XR-5800R)




**Note on Schematic Diagram:**

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ▭ : panel designation.
- B+ : B+ Line.
- Power voltage is dc 14.4 V and fed with regulated dc power supply from battery and accessory terminal.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Abbreviation
  AMB : AMBER illumination model.
  GRN : GREEN illumination model.

## 6-7. IC PIN FUNCTION DESCRIPTION

### • MAIN BOARD IC501 MN1884820SC (SYSTEM CONTROLLER)

| Pin No. | Pin Name | I/O | Function |
|---|---|---|---|
| 1 | TUNMUT | O | FM audio signal muting control output terminal "H": muting on |
| 2 | AMPON | O | Standby control signal output to the power amplifier (IC801) "L": standby |
| 3 | ILLON | O | Power supply on/off control signal output terminal at the illumination and liquid crystal display driver (IC901) "H": power on<br>At power select switch (S801) on mode: "H" output at the accessory on<br>At power select switch (S801) off mode: "H" output at the power on |
| 4 | PW ON | O | Main system power supply on/off control signal output to the BA3918 (IC601) "H": power on |
| 5 | $\overline{\text{AMPMUTE}}$ | O | Muting control signal output to the power amplifier (IC801) "L": muting on |
| 6 | RCIN1 | I | Rotary remote commander shift key A/D input terminal |
| 7 | VDD | — | Power supply terminal (+5V) |
| 8 | X IN | I | Main system clock input terminal (8 MHz) |
| 9 | X OUT | O | Main system clock output terminal (8 MHz) |
| 10 | GND | — | Ground terminal |
| 11 | XT IN | I | Sub system clock input terminal (32.768 kHz) |
| 12 | XT OUT | O | Sub system clock output terminal (32.768 kHz) |
| 13 | EX2 | I | Connected to ground |
| 14 | $\overline{\text{RESET}}$ | I | System reset signal input from the reset signal generator (IC571) and reset switch (S601)<br>"L" is input for several 100 msec after power on, then it changes to "H" |
| 15 | RDSCKI | I | Serial data transfer clock signal input from the RDS decoder (IC3) |
| 16 | BU IN | I | Battery detect signal input terminal "H": battery on |
| 17 | KEYACK | I | Input of acknowledge signal for the key entry Acknowledge signal is input to accept function and eject keys in the power off status On at input of "L" |
| 18 | VOLSO | O | Serial data output to the electrical volume (IC151) |
| 19 | VOLCKO | O | Serial data transfer clock signal output to the electrical volume (IC151) |
| 20 | VOLCE | O | Chip enable signal output to the electrical volume (IC151) |
| 21 | TAPEMUT | O | Tape muting on/off control signal output to the CXA2509AQ (IC351) "H": tape muting on |
| 22 | LMLOD | O | Loading/tape operation motor control signal output to the MM1322XFBE (IC360)<br>(For the loading direction and forward side operation) *1 |
| 23 | LMEJ | O | Loading/tape operation motor control signal output to the MM1322XFBE (IC360)<br>(For the eject direction and reverse side operation) *1 |
| 24 | $\overline{\text{AMSON}}$ | O | Tape auto music sensor control signal output to the CXA2509AQ (IC351)<br>"L" is output to lower the gain for audio level at FF/REW |
| 25 | $\overline{\text{N}}$/R OUT | O | Forward/reverse direction control signal output to the CXA2509AQ (IC351)<br>"L: forward direction, "H": reverse direction |
| 26 | $\overline{\text{AMSIN}}$ | I | Whether a music is present or not from CXA2509AQ (IC351) is detected at auto music sensor<br>"L": music is present, "H": music is not present |
| 27 | PLLSO | O | PLL serial data output to the FM/AM PLL (IC1) |
| 28 | PLLCKO | O | PLL serial data transfer clock signal output to the FM/AM PLL (IC1) |
| 29 | PLLCE | O | PLL serial chip enable output to the FM/AM PLL (IC1) |
| 30 | RDSSI | I | Serial data input from the RDS decoder (IC3) |
| 31 | $\overline{\text{AD ON}}$ | O | Power supply on/off control signal output for the A/D converter "L": power on |
| 32 | DOLON | I/O | Dolby control in/out terminal<br>At initial mode: valid/invalid selection input of dolby function ("L" input: valid)<br>At normal mode: dolby on/off control signal output "H": dolby on<br>Not used this function in this set (fixed at "H") |
| 33 | MTLON | I/O | METAL control in/out terminal<br>At initial mode: valid/invalid selection input of METAL function ("L" input: valid)<br>At normal mode: METAL on/off control signal output "H": METAL on<br>XR-5790R: Not used this function in this set (fixed at "H")<br>XR-5800R: Used for the this function |
| 34 | CMON | O | Capstan/reel motor (M901) drive signal output terminal "H": motor on |
| 35 | TAPEON | O | Tape system power supply on/off control signal output terminal "H": tape on |
| 36 | $\overline{\text{ACCON}}$ | I | Accessory detect signal input terminal "L": accessory on |
| 37 | PLLSI | I | PLL serial data input from the FM/AM PLL (IC1) |
| 38 | BEEP | O | Beep sound output terminal |
| 39 | LCDCKO | O | Serial data transfer clock signal output to the liquid crystal display driver (IC901) |
| 40 | LCDSO | O | Serial data output to the liquid crystal display driver (IC901) |
| 41 | $\overline{\text{LCDINH}}$ | O | Blank indicate control signal output to the liquid crystal display driver (IC901)<br>"L": no display |
| 42 | LCDCE | O | Chip enable output to the liquid crystal display driver (IC901) |
| 43 | UNICKO | O | Serial data transfer clock signal output terminal for the unilink Not used (pull down) |
| 44 | UNICKI | I | Serial data reading clock signal input terminal for the unilink Not used (fixed at "L") |
| 45 | UNISI | I | Serial data input terminal for the unilink Not used (fixed at "L") |
| 46 | UNISO | O | Serial data output terminal for the unilink Not used (pull down) |
| 47 | VDD | — | Power supply terminal (+5V) |
| 48 | AVDD | — | Power supply terminal (+5V) (for A/D converter) |
| 49 | AVREF+ | I | Reference voltage input terminal (+5V) (for A/D converter) |
| 50 | KEYIN1 | I | Key input terminal (A/D input)<br>XR-5790R: ⏏, INTRO 1, REPEAT 2, 3, BL SKIP 6, ATA 5, 4, PTY, AF/TA, PRST +/–, DSPL keys input (LSW921 to LSW932)<br>XR-5800R: ⏏, INTRO 1, REPEAT 2, 3, BL SKIP 6, ATA 5, MTL 4, PTY, AF/TA, BTM SENS, DSPL keys input (LSW921 to LSW931) |
| 51 | KEYIN0 | I | Key input terminal (A/D input)<br>XR-5790R: OFF, SOURCE, MODE ◀II▶, + ▶▶ ▶▶I SEEK AMS, – I◀◀ ◀◀ SEEK AMS, VOLUME –, SEL, VOLUME +, ATT , BTM SENS keys input (LSW901 to LSW910)<br>XR-5800R: OFF, SOURCE, MODE ◀II▶, + ▶▶ ▶▶I SEEK AMS, – I◀◀ ◀◀ SEEK AMS, VOLUME –, SEL, VOLUME +, ATT keys input (LSW901 to LSW908 and LSW910) |
| 52 | D-BASS | I | D-BASS switch (SW951) input (A/D input) |
| 53 | KEYSEL | I | Setting terminal for the key (fixed at center voltage) |
| 54 | DSTSEL | I | Destination setting terminal<br>AEP, UK, South European models: fixed at "L", German model: fixed at "H" |
| 55 | RCIN0 | I | Rotary remote commander shift key A/D input terminal |
| 56 | VSM1 | I | Signal meter voltage detection input terminal Not used (fixed at "L") |
| 57 | VSM0 | I | FM and AM signal meter voltage detection input from the FM/AM tuner unit (TU1) |
| 58 | AVREF– | I | Reference ground terminal |
| 59 | AVSS | — | Ground terminal (for A/D converter) |
| 60 | GND | — | Ground terminal |
| 61 | BUSON | O | Bus on/off control signal output terminal Not used (pull down) |
| 62 | $\overline{\text{SYSRST}}$ | O | Reset signal output terminal "L": reset Not used (pull down) |
| 63 | $\overline{\text{SEKOUT}}$ | O | Seek control signal output to the FM/AM tuner unit (TU1) |
| 64 | TUNON | O | Tuner system power supply on/off control signal output to the BA3918 (IC601) "H": tuner on |
| 65 | FM ON | O | FM system power supply on/off control signal output to the BA3918 (IC601) "H": FM on |
| 66 | MUT | O | Line muting control signal output terminal "H": line muting on |
| 67 | AF SEK | O | |
| 68 | COLOR | I | |
| 69 | $\overline{\text{NOSESW}}$ | I | |
| 70 | $\overline{\text{ST IN}}$ | I/O | |
| 71 | SD IN | I | |
| 72 | REL T | I | |
| 73 | POS3 | I | |
| 74 | POS2 | I | |
| 75 | POS1 | I | |
| 76 | POS0 | I | |
| 77 | PW SEL | I | |
| 78 | $\overline{\text{TELEMUTE}}$ | I | |
| 79 | $\overline{\text{TEST}}$ | I | |
| 80 | ILLIN | I | |

*1 loading/tape operation motor c

| TERMINAL \ MODE | ST |
|---|---|
| LMLOD (pin ㉒) | " |
| LMEJ (pin ㉓) | " |

| |
|---|
| |
| input: valid) |
| on |
| |
| n |
| tape on |
| |
| |
| |
| er (IC901) |
| |
| IC901) |
| |
| ed (pull down) |
| d (fixed at "L") |
| |
| |
| |
| |
| |
| |
| AF/TA, PRST +/–, DSPL |
| PTY, AF/TA, BTM |
| |
| ⏮ ◀◀ SEEK AMS, |
| 01 to LSW910) |
| ⏮ ◀◀ SEEK AMS, |
| 8 and LSW910) |
| |
| |
| |
| at "H" |
| |
| |
| r unit (TU1) |
| |
| |
| |
| |
| |
| |
| (IC601) "H": tuner on |
| C601) "H": FM on |
| |

| Pin No. | Pin Name | I/O | Function |
|---|---|---|---|
| 67 | AF SEK | O | AF seek control signal output terminal Not used (open) |
| 68 | COLOR | I | Setting terminal for the illumination color "L": amber, "H": green Not used (open) |
| 69 | $\overline{\text{NOSESW}}$ | I | Detects the removal of the attaching and removing type front panel block "L": attaching |
| 70 | $\overline{\text{ST IN}}$ | I/O | Input of FM stereo detection signal from FM/AM tuner unit (TU1), and output of forced monaural control signal to FM/AM tuner unit (TU1) (Commonly used for stereo display input and forced monaural output)<br>FM stereo detection at input of "L", forced monaural at output of "L" |
| 71 | SD IN | I | Station detector detect input from the FM/AM tuner unit (TU1)<br>Stop level for SEEK, BTM, etc. is determined SD is present at input of "H" |
| 72 | REL T | I | Reel table rotation detect signal input from the take-up and supply reel sensor |
| 73 | POS3 | I | Tape position detect input from tape operation switch on the mechanism block |
| 74 | POS2 | I | |
| 75 | POS1 | I | |
| 76 | POS0 | I | |
| 77 | PW SEL | I | Power select switch (S801) input terminal<br>"L": position A (halt mode), "H": position B (operation mode) |
| 78 | $\overline{\text{TELEMUTE}}$ | I | Telephone muting signal input terminal<br>At input of "L", the signal is attenuated by –20 dB Used for XR-5800R only |
| 79 | $\overline{\text{TEST}}$ | I | Setting terminal for the test mode "L": test mode (normally fixed at "H") |
| 80 | ILLIN | I | Not used (fixed at "L") |

*1 loading/tape operation motor control

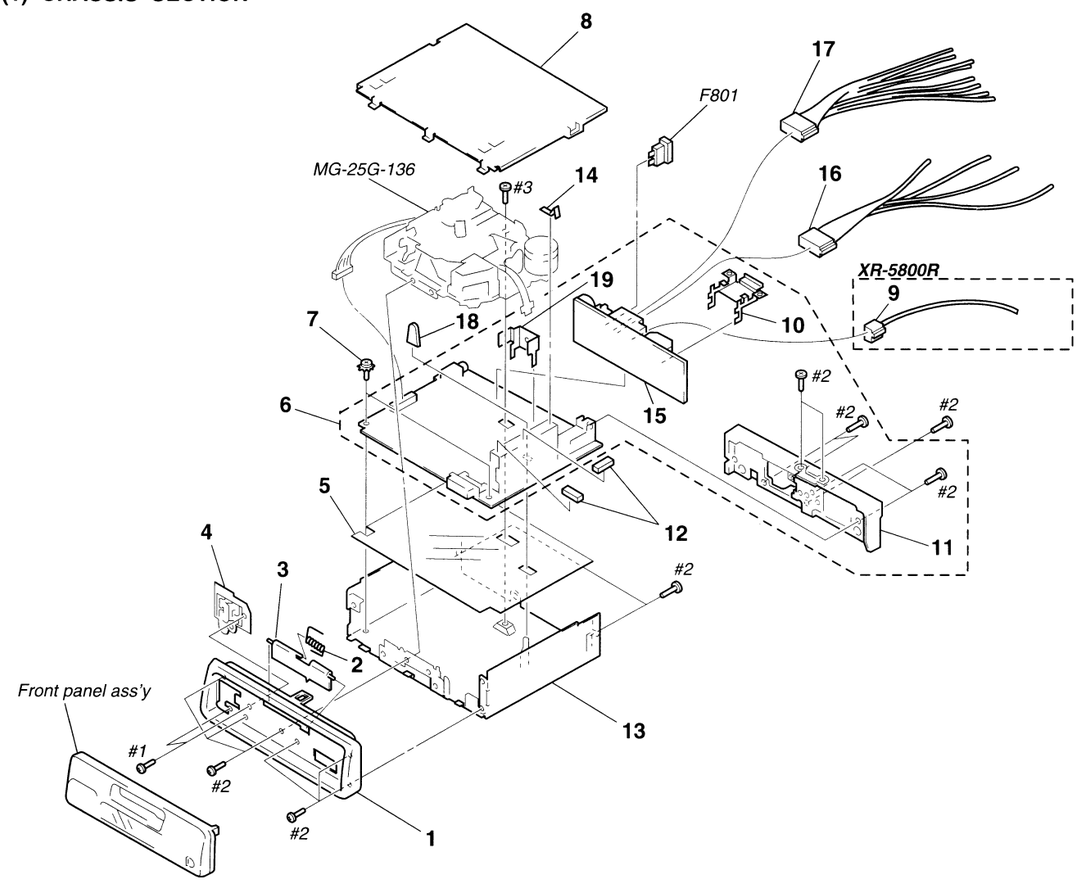
| MODE / TERMINAL | STOP | LOADING/ FORWARD | EJECT/ REVERSE | BRAKE |
|---|---|---|---|---|
| LMLOD (pin ㉒) | "L" | "H" | "L" | "H" |
| LMEJ (pin ㉓) | "L" | "L" | "H" | "H" |



# SECTION 7
# EXPLODED VIEWS

NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

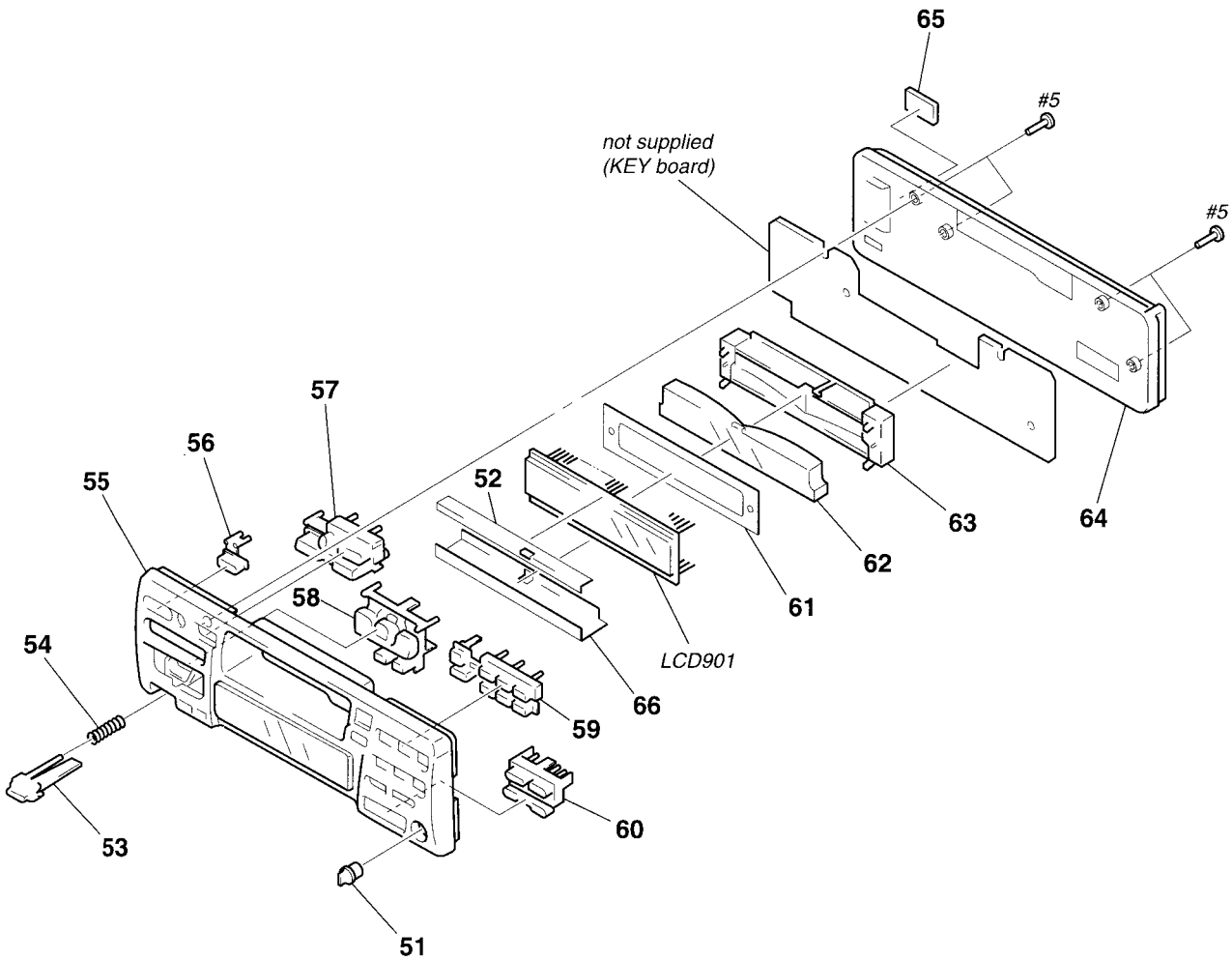
## (1) CHASSIS SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 1 | 3-009-294-01 | PANEL, SUB | |
| 2 | 3-935-003-01 | SPRING, TORSION | |
| 3 | 3-932-205-21 | DOOR, CASSETTE | |
| 4 | X-3367-636-1 | LOCK ASSY | |
| * 5 | 3-009-306-01 | SHEET, INSULATING | |
| * 6 | A-3313-356-A | MAIN BOARD, COMPLETE (5790R: AEP, UK) | |
| * 6 | A-3313-357-A | MAIN BOARD, COMPLETE (5790R: German) | |
| * 6 | A-3313-363-A | MAIN BOARD, COMPLETE (5800R: AEP, UK, South European) | |
| * 6 | A-3313-364-A | MAIN BOARD, COMPLETE (5800R: German) | |
| 7 | 3-915-923-01 | SCREW, GROUND POINT | |
| * 8 | X-3373-269-1 | COVER ASSY (ISO) | |

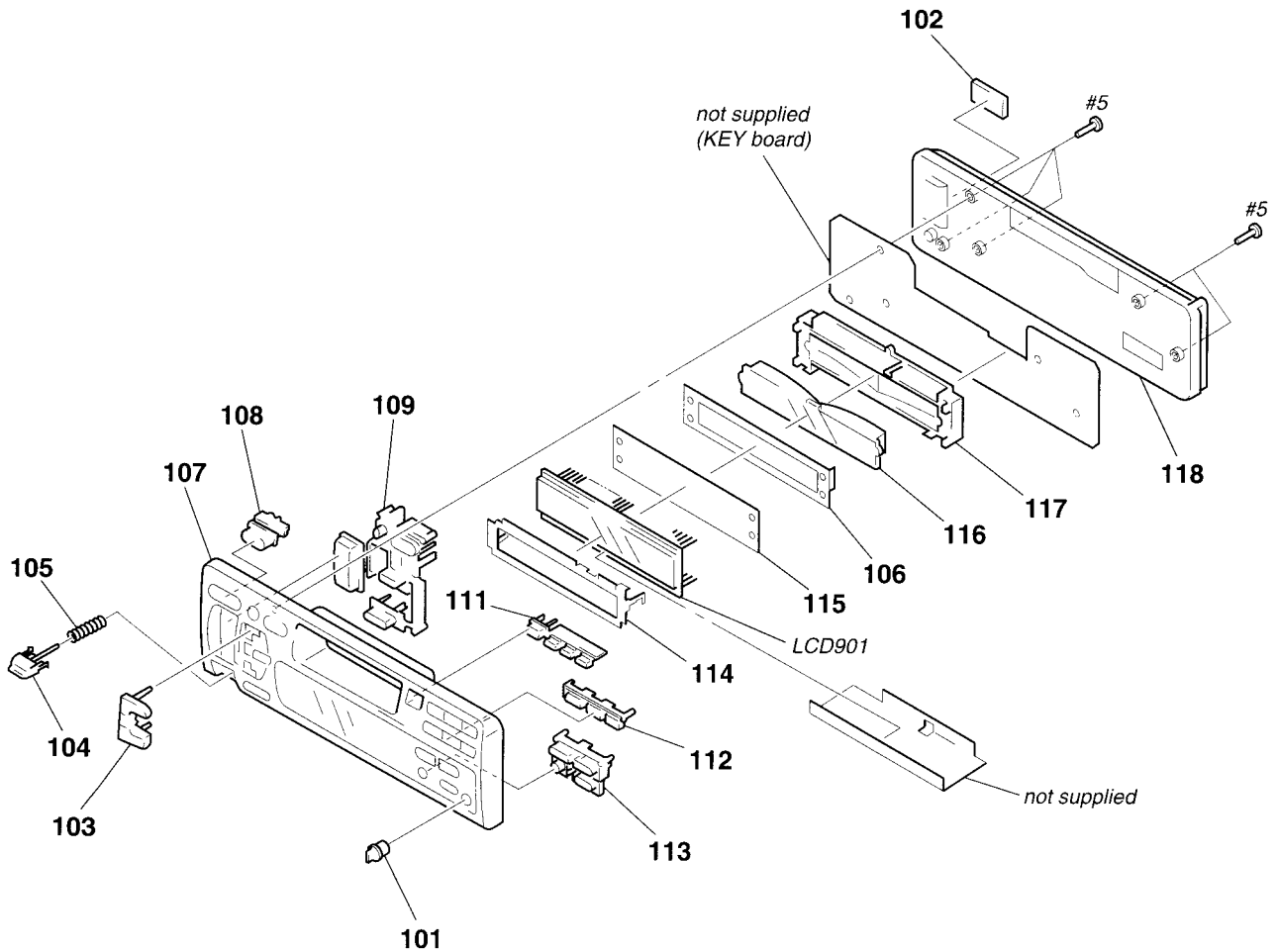
| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 9 | 1-777-989-31 | CORD (WITH CONNECTOR) (ATT) (5800R) | |
| * 10 | 3-009-307-01 | BRACKET (IC) | |
| * 11 | 3-010-471-01 | HEAT SINK | |
| 12 | 3-935-014-01 | CUSHION (U) | |
| * 13 | 3-009-813-01 | CHASSIS | |
| 14 | 3-937-650-01 | PLATE (C), GROUND | |
| * 15 | A-3309-740-A | POWER BOARD, COMPLETE | |
| 16 | 1-782-092-11 | CORD (WITH CONNECTOR) (ISO-P) (POWER) | |
| 17 | 1-782-093-11 | CORD (WITH CONNECTOR) (ISO-S) (SPEAKER) | |
| 18 | 3-012-859-01 | CAP (25), RUBBER | |
| * 19 | 3-012-105-01 | BRACKET (HS) | |
| F801 | 1-532-877-11 | FUSE (BLADE TYPE) (AUTO FUSE) (10A) | |

## (2) FRONT PANEL SECTION (XR-5790R)



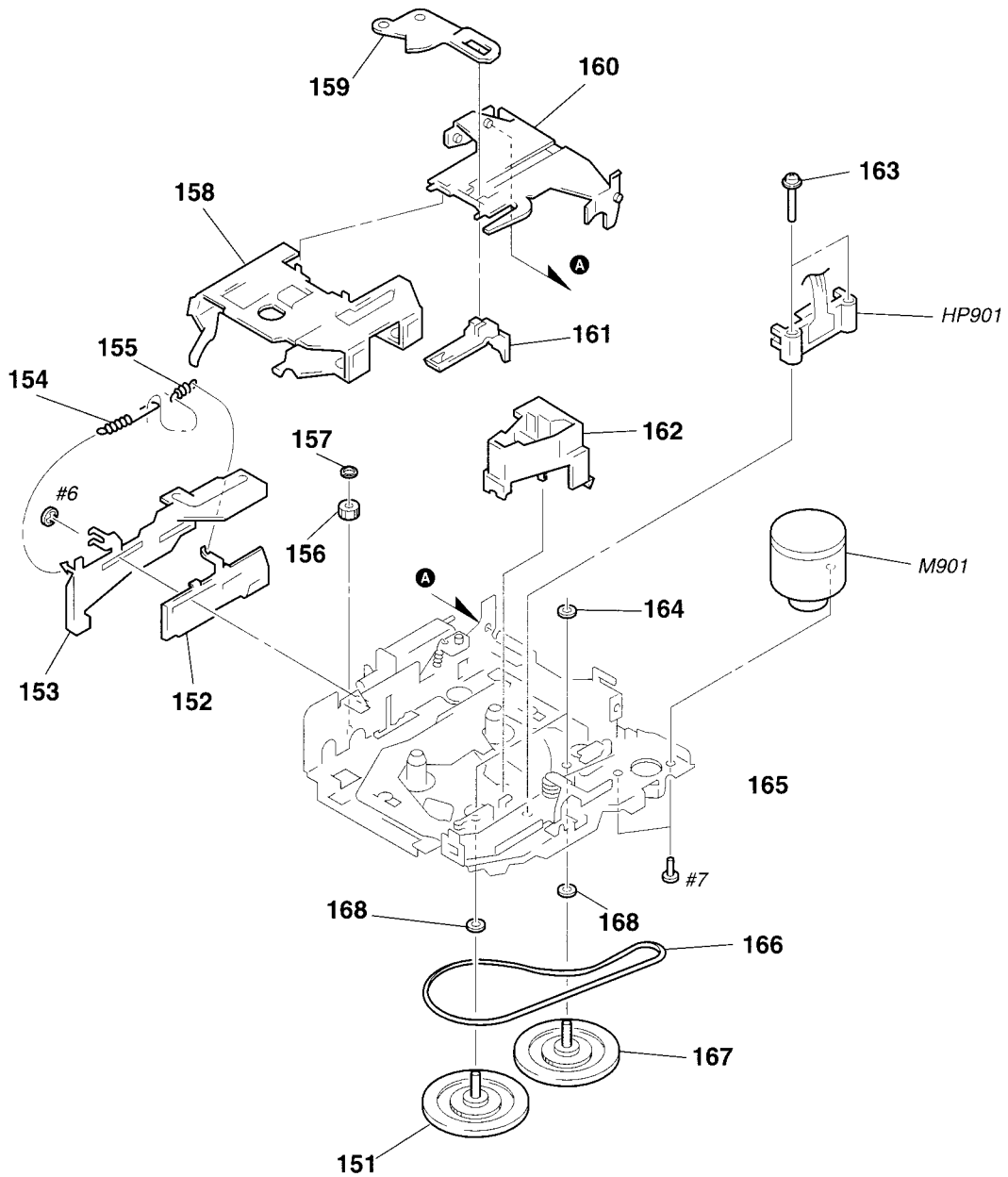

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 51 | 3-018-930-01 | KNOB (D-BASS) | |
| * 52 | 3-014-857-01 | SHEET (LCD) (T) | |
| 53 | 3-010-398-01 | BUTTON (RELEASE) | |
| 54 | 3-010-395-01 | SPRING (RELEASE) | |
| 55 | X-3374-695-1 | PANEL SUB ASSY | |
| 56 | 3-010-383-01 | BUTTON (SOURCE) | |
| 57 | 3-010-384-01 | BUTTON (M. O. S) (●. OFF. – ⏮ ◀◀. SEEK AMS. + ▶▶ ⏭) | |
| 58 | 3-010-385-11 | BUTTON (S. M. +/–) (–. SEL. +. ATT. SENS) | |
| 59 | 3-010-387-01 | BUTTON (PRESET) (⏏. 1. 2. 3. 4. 5. 6. DSPL) | |
| 60 | 3-010-389-01 | BUTTON (P. A. P) (PTY. AF/TA. –. PRST. +) | |
| * 61 | 3-010-375-01 | SHEET (REFLECTOR) | |
| * 62 | 3-018-385-01 | PLATE (LCD), LIGHT GUIDE | |
| * 63 | 3-018-386-01 | HOLDER (LCD) | |
| 64 | 3-010-382-01 | PANEL, FRONT BACK | |
| 65 | 3-015-036-01 | CUSHION (BACK PANEL) | |
| * 66 | 3-014-861-01 | SHEET (LCD) (B) | |
| LCD901 | 1-801-968-11 | DISPLAY PANEL, LIQUID CRYSTAL | |

## (3) FRONT PANEL SECTION (XR-5800R)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 101 | 3-018-799-01 | BUTTON (D-BASS) | |
| 102 | 3-015-036-01 | CUSHION (BACK PANEL) | |
| 103 | 3-016-924-01 | BUTTON (L) (2) (+. –) | |
| 104 | 3-009-304-01 | BUTTON (RELEASE) | |
| 105 | 3-932-475-01 | SPRING (RELEASE) | |
| * 106 | 3-019-149-01 | PLATE, LCD | |
| 107 | X-3374-682-1 | PANEL SUB ASSY | |
| 108 | 3-009-300-01 | BUTTON (SOURCE) | |
| 109 | 3-018-797-11 | BUTTON (L) (3) (+ ▶▶\| ▶▶. SEEK AMS. \|◀◀ ◀◀ –. ●. OFF. SEL. ATT) | |
| 111 | 3-016-927-01 | BUTTON (1-3) (⏏. 1. 2. 3) | |
| 112 | 3-016-928-11 | BUTTON (4-6) (4. 5. 6) | |
| 113 | 3-016-929-01 | BUTTON (R) (2) (PTY. AF/TA. ●. SENS) | |
| * 114 | 3-019-151-01 | PLATE (LCD), GROUND | |
| * 115 | 3-019-150-01 | SHEET (REFLECTOR) | |
| * 116 | 3-018-612-01 | PLATE, LIGHT GUIDE | |
| * 117 | 3-018-611-01 | HOLDER (LCD) | |
| 118 | 3-010-519-01 | PANEL, FRONT BACK | |
| LCD901 | 1-801-968-11 | DISPLAY PANEL, LIQUID CRYSTAL | |

## (4) MECHANISM DECK SECTION (MG-25G-136)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 151 | A-3291-667-A | CLUTCH (FR) ASSY | |
| * 152 | 3-019-130-01 | LEVER (LDG-A) | |
| * 153 | 3-019-131-01 | LEVER (LDG-B) | |
| 154 | 3-020-539-01 | SPRING (LD-1), TENSION | |
| 155 | 3-020-540-01 | SPRING (LD-2), TENSION | |
| 156 | 3-020-542-01 | GEAR (LOADING FT) | |
| 157 | 3-341-753-11 | WASHER, POLYETHYLENE | |
| 158 | 3-020-533-01 | HOUSING | |
| * 159 | 3-020-532-01 | ARM (SUCTION) | |
| 160 | 3-020-534-01 | HANGER | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 161 | 3-933-346-01 | CATCHER | |
| 162 | 3-933-344-01 | GUIDE (C) | |
| 163 | 3-014-798-01 | SCREW (HEAD), SPECIAL | |
| 164 | 3-364-151-01 | WASHER | |
| 165 | A-3301-267-A | CHASSIS ASSY (G) | |
| 166 | 3-017-302-01 | BELT (25) | |
| 167 | 3-936-853-01 | FLYWHEEL (F) | |
| 168 | 3-701-437-21 | WASHER | |
| HP901 | 1-500-196-21 | HEAD, MAGNETIC (PLAYBACK) | |
| M901 | A-3291-665-A | MOTOR ASSY, MAIN (CAPSTAN/REEL) | |

KEY

# SECTION 8
# ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA. . : μA. . uPA. . : μPA. .
  uPB. . : μPB. . uPC. . : μPC. .
  uPD. . : μPD. .
- CAPACITORS
  uF: μF
- COILS
  uH: μH

When indicating parts by reference number, please include the board.

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | KEY BOARD | |
| | | ********** | |
| * | 3-010-375-01 | SHEET (REFLECTOR) | |
| * | 3-018-385-01 | PLATE (LCD), LIGHT GUIDE | |
| * | 3-018-386-01 | HOLDER (LCD) | |
| * | 3-018-611-01 | HOLDER (LCD) | |
| * | 3-018-612-01 | PLATE, LIGHT GUIDE | |
| * | 3-019-149-01 | PLATE, LCD | |
| * | 3-019-150-01 | SHEET (REFLECTOR) | |
| | | < CAPACITOR > | |
| C901 | 1-163-033-00 | CERAMIC CHIP 0.022uF | 50V |
| C902 | 1-165-319-11 | CERAMIC CHIP 0.1uF | 50V |
| C903 | 1-165-319-11 | CERAMIC CHIP 0.1uF | 50V |
| C904 | 1-163-251-11 | CERAMIC CHIP 100PF 5% | 50V |
| | | < CONNECTOR > | |
| CN901 | 1-764-423-11 | PIN, CONNECTOR 12P | |
| | | < DIODE > | |
| D901 | 8-719-420-90 | DIODE MA8051-M | |
| D902 | 8-719-422-64 | DIODE MA8062-M | |
| D903 | 8-719-422-64 | DIODE MA8062-M | |
| D904 | 8-719-422-64 | DIODE MA8062-M | |
| D905 | 8-719-422-64 | DIODE MA8062-M | |
| | | < IC > | |
| IC901 | 8-759-365-90 | IC LC75824W | |
| | | < SHORT CHIP > | |
| JC901 | 1-216-295-00 | SHORT (CHIP) 0 | |
| | | < LIQUID CRYSTAL DISPLAY > | |
| LCD901 | 1-801-968-11 | DISPLAY PANEL, LIQUID CRYSTAL | |
| | | < SWITCH > | |
| LSW901 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (OFF) | (AMBER) |
| LSW901 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (OFF) | (GREEN) |
| LSW902 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (SOURCE) | (AMBER) |
| LSW902 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (SOURCE) | (GREEN) |
| LSW903 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (MODE ◀I▶) | (AMBER) |
| LSW903 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (MODE◀I▶) | (GREEN) |
| LSW904 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (SEEK AMS, + ▶▶I ▶▶) | (AMBER) |
| LSW904 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (SEEK AMS, + ▶▶I ▶▶) | (GREEN) |
| LSW905 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (SEEK AMS, I◀◀ ◀◀ –) | (AMBER) |
| LSW905 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (SEEK AMS, I◀◀ ◀◀ –) | (GREEN) |
| LSW906 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (–) | (AMBER) |
| LSW906 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (–) | (GREEN) |
| LSW907 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (SEL) | (AMBER) |
| LSW907 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (SEL) | (GREEN) |
| LSW908 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (+) | (AMBER) |
| LSW908 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (+) | (GREEN) |
| LSW909 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (ATT) | (5790R: AMBER) |
| LSW909 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (ATT) | (5790R: GREEN) |
| LSW910 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (BTM, SENS) | (5790R: AMBER) |
| LSW910 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (ATT) | (5800R: AMBER) |
| LSW910 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (BTM, SENS) | (5790R: GREEN) |
| LSW910 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (ATT) | (5800R: GREEN) |
| LSW921 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (⏏) | (AMBER) |
| LSW921 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (⏏) | (GREEN) |
| LSW922 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (INTRO, 1) | (AMBER) |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| LSW922 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (INTRO, 1) (GREEN) | |
| LSW923 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (REPEAT, 2) (AMBER) | |
| LSW923 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (REPEAT, 2) (GREEN) | |
| LSW924 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (3) (AMBER) | |
| LSW924 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (3) (GREEN) | |
| LSW925 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (BL SKIP, 6) (AMBER) | |
| LSW925 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (BL SKIP, 6) (GREEN) | |
| LSW926 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (ATA, 5) (AMBER) | |
| LSW926 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (ATA, 5) (GREEN) | |
| LSW927 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (4) (5790R: AMBER) | |
| LSW927 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (MTL, 4) (5800R: AMBER) | |
| LSW927 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (4) (5790R: GREEN) | |
| LSW927 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (MTL, 4) (5800R: GREEN) | |
| LSW928 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (PTY) (AMBER) | |
| LSW928 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (PTY) (GREEN) | |
| LSW929 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (AF/TA) (AMBER) | |
| LSW929 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (AF/TA) (GREEN) | |
| LSW930 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (PRST, +) (5790R: AMBER) | |
| LSW930 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (BTM, SENS) (5800R: AMBER) | |
| LSW930 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (PRST, +) (5790R: GREEN) | |
| LSW930 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (BTM, SENS) (5800R: GREEN) | |
| LSW931 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (–, PRST) (5790R: AMBER) | |
| LSW931 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (DSPL) (5800R: AMBER) | |
| LSW931 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (–, PRST) (5790R: GREEN) | |
| LSW931 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (DSPL) (5800R: GREEN) | |
| LSW932 | 1-762-617-11 | SWITCH, KEY BOARD (WITH LED) (DSPL) (5790R: AMBER) | |
| LSW932 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (DSPL) (5790R: GREEN) | |
| | | < PILOT LAMP > | |
| PL903 | 1-517-633-21 | LAMP, PILOT (LCD BACK LIGHT) | |
| PL904 | 1-517-633-21 | LAMP, PILOT (LCD BACK LIGHT) | |
| | | < RESISTOR > | |
| R901 | 1-216-045-00 | METAL CHIP 680 5% 1/10W | |
| R902 | 1-216-045-00 | METAL CHIP 680 5% 1/10W | |
| R903 | 1-216-045-00 | METAL CHIP 680 5% 1/10W | |
| R904 | 1-216-049-11 | RES, CHIP 1K (2012) | |
| R905 | 1-216-053-00 | METAL CHIP 1.5K 5% 1/10W | |
| R906 | 1-216-053-00 | METAL CHIP 1.5K 5% 1/10W | |
| R907 | 1-216-057-00 | METAL CHIP 2.2K 5% 1/10W | |
| R908 | 1-216-061-00 | METAL CHIP 3.3K 5% 1/10W | |
| R909 | 1-216-065-00 | METAL CHIP 4.7K 5% 1/10W | |
| R910 | 1-216-069-00 | METAL CHIP 6.8K 5% 1/10W (5790R) | |
| R921 | 1-216-045-00 | METAL CHIP 680 5% 1/10W | |
| R922 | 1-216-045-00 | METAL CHIP 680 5% 1/10W | |
| R923 | 1-216-045-00 | METAL CHIP 680 5% 1/10W | |
| R924 | 1-216-049-11 | RES, CHIP 1K (2012) | |
| R925 | 1-216-053-00 | METAL CHIP 1.5K 5% 1/10W | |
| R926 | 1-216-053-00 | METAL CHIP 1.5K 5% 1/10W | |
| R927 | 1-216-057-00 | METAL CHIP 2.2K 5% 1/10W | |
| R928 | 1-216-061-00 | METAL CHIP 3.3K 5% 1/10W | |
| R929 | 1-216-065-00 | METAL CHIP 4.7K 5% 1/10W | |
| R930 | 1-216-069-00 | METAL CHIP 6.8K 5% 1/10W | |
| R931 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| R932 | 1-216-077-00 | METAL CHIP 15K 5% 1/10W | |
| R951 | 1-216-041-00 | METAL CHIP 470 5% 1/10W | |
| R952 | 1-216-109-00 | METAL CHIP 330K 5% 1/10W | |
| R953 | 1-216-049-11 | RES, CHIP 1K (2012) | |
| R954 | 1-216-049-11 | RES, CHIP 1K (2012) | |
| R955 | 1-216-049-11 | RES, CHIP 1K (2012) | |
| R956 | 1-216-049-11 | RES, CHIP 1K (2012) | |
| R961 | 1-216-025-00 | RES, CHIP 100 (2012) (5790R: GREEN) | |
| R961 | 1-216-029-00 | METAL CHIP 150 5% 1/10W (5790R: AMBER) | |
| R961 | 1-216-033-00 | METAL CHIP 220 5% 1/10W (5800R: GREEN) | |
| R961 | 1-216-037-00 | METAL CHIP 330 5% 1/10W (5800R: AMBER) | |
| R963 | 1-216-025-00 | RES, CHIP 100 (2012) (5800R: GREEN) | |
| R963 | 1-216-029-00 | METAL CHIP 150 5% 1/10W (5800R: AMBER) | |
| R963 | 1-216-033-00 | METAL CHIP 220 5% 1/10W (5790R: GREEN) | |
| R963 | 1-216-037-00 | METAL CHIP 330 5% 1/10W (5790R: AMBER) | |
| R965 | 1-216-033-00 | METAL CHIP 220 5% 1/10W (GREEN) | |
| R965 | 1-216-037-00 | METAL CHIP 330 5% 1/10W (AMBER) | |
| R967 | 1-216-021-00 | METAL CHIP 68 5% 1/10W (GREEN) | |
| R967 | 1-216-029-00 | METAL CHIP 150 5% 1/10W (AMBER) | |
| R969 | 1-216-021-00 | METAL CHIP 68 5% 1/10W (5790R: GREEN) | |
| R969 | 1-216-025-00 | RES, CHIP 100 (2012) (5800R: GREEN) | |
| R969 | 1-216-029-00 | METAL CHIP 150 5% 1/10W (AMBER) | |
| R971 | 1-216-021-00 | METAL CHIP 68 5% 1/10W (GREEN) | |
| R971 | 1-216-029-00 | METAL CHIP 150 5% 1/10W (AMBER) | |

**KEY** **MAIN**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R973 | 1-216-025-00 | RES, CHIP | 100 (2012) | (5800R: GREEN) | |
| R973 | 1-216-029-00 | METAL CHIP | 150 | 5% | 1/10W |
| | | | | (5800R: AMBER) | |
| R974 | 1-216-025-00 | RES, CHIP | 100 (2012) | (5800R: GREEN) | |
| R974 | 1-216-029-00 | METAL CHIP | 150 | 5% | 1/10W |
| | | | | (5800R: AMBER) | |
| R981 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |
| R982 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R983 | 1-216-069-00 | METAL CHIP | 6.8K | 5% | 1/10W |
| R984 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R999 | 1-216-295-11 | SHORT (CHIP) | 0 | (AMBER) | |
| R999 | 1-216-308-00 | METAL CHIP | 4.7 | 5% | 1/10W |
| | | | | | (GREEN) |
| | | < SWITCH > | | | |
| SW951 | 1-762-937-11 | SWITCH, ROTARY (D-BASS) | | | |
| ********** | | | | | |
| * | A-3313-356-A | MAIN BOARD, COMPLETE (5790R: AEP, UK) | | | |
| * | A-3313-357-A | MAIN BOARD, COMPLETE (5790R: German) | | | |
| * | A-3313-363-A | MAIN BOARD, COMPLETE | | | |
| | | (5800R: AEP, UK, South European) | | | |
| * | A-3313-364-A | MAIN BOARD, COMPLETE (5800R: German) | | | |
| | | ********** | | | |
| | | (Including POWER BOARD, COMPLETE) | | | |
| * | 3-009-307-01 | BRACKET (IC) | | | |
| * | 3-010-471-01 | HEAT SINK | | | |
| * | 3-012-105-01 | BRACKET (HS) | | | |
| | 7-685-793-09 | SCREW +PTT 2.6X8 (S) | | | |
| | | < CAPACITOR > | | | |
| C1 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C2 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C4 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C5 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C6 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C9 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C11 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C12 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C13 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C14 | 1-164-161-11 | CERAMIC CHIP | 0.0022uF | 10% | 100V |
| C15 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C16 | 1-163-809-11 | CERAMIC CHIP | 0.047uF | 10% | 25V |
| C17 | 1-124-463-00 | ELECT | 0.1uF | 20% | 50V |
| C18 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C19 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C20 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C21 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C22 | 1-163-077-00 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C23 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C24 | 1-163-099-00 | CERAMIC CHIP | 18PF | 5% | 50V |
| C25 | 1-163-099-00 | CERAMIC CHIP | 18PF | 5% | 50V |
| C26 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C28 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C29 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C30 | 1-163-231-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C31 | 1-163-229-11 | CERAMIC CHIP | 12PF | 5% | 50V |
| C32 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C34 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C35 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C36 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C101 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C102 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C103 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C111 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C112 | 1-164-182-11 | CERAMIC CHIP | 0.0033uF | 10% | 50V |
| C113 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C114 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C115 | 1-164-492-11 | CERAMIC CHIP | 0.15uF | 10% | 16V |
| C116 | 1-164-492-11 | CERAMIC CHIP | 0.15uF | 10% | 16V |
| C118 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C119 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C120 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C121 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C151 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C152 | 1-163-809-11 | CERAMIC CHIP | 0.047uF | 10% | 25V |
| C153 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C155 | 1-124-234-00 | ELECT | 22uF | 20% | 16V |
| C157 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C158 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C201 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C202 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C203 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C211 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C212 | 1-164-182-11 | CERAMIC CHIP | 0.0033uF | 10% | 50V |
| C213 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C214 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C215 | 1-164-492-11 | CERAMIC CHIP | 0.15uF | 10% | 16V |
| C216 | 1-164-492-11 | CERAMIC CHIP | 0.15uF | 10% | 16V |
| C218 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C219 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C220 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C221 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C301 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C302 | 1-163-263-11 | CERAMIC CHIP | 330PF | 5% | 50V |
| C303 | 1-163-263-11 | CERAMIC CHIP | 330PF | 5% | 50V |
| C304 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C305 | 1-164-489-11 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C308 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C309 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C310 | 1-164-161-11 | CERAMIC CHIP | 0.0022uF | 10% | 100V |
| C350 | 1-124-234-00 | ELECT | 22uF | 20% | 16V |
| C351 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C353 | 1-124-465-00 | ELECT | 0.47uF | 20% | 50V |
| C354 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C356 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C357 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C362 | 1-165-319-11 | CERAMIC CHIP | 0.1uF | | 50V |
| C363 | 1-165-319-11 | CERAMIC CHIP | 0.1uF | | 50V |
| C365 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C366 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C367 | 1-126-934-11 | ELECT | 220uF | 20% | 16V |
| C401 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C402 | 1-163-263-11 | CERAMIC CHIP | 330PF | 5% | 50V |
| C403 | 1-163-263-11 | CERAMIC CHIP | 330PF | 5% | 50V |
| C404 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C405 | 1-164-489-11 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C408 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C409 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C410 | 1-164-161-11 | CERAMIC CHIP | 0.0022uF | 10% | 100V |
| C501 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C502 | 1-109-982-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C503 | 1-163-099-00 | CERAMIC CHIP | 18PF | 5% | 50V |
| C504 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C505 | 1-165-319-11 | CERAMIC CHIP | 0.1uF | | 50V |
| C506 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C507 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C582 | 1-124-257-00 | ELECT | 2.2uF | 20% | 50V |
| C583 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C584 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C601 | 1-164-222-11 | CERAMIC CHIP | 0.22uF | | 25V |
| C603 | 1-125-710-11 | DOUBLE LAYER | 0.1F | | 5.5V |
| C605 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C606 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C607 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C609 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C610 | 1-124-234-00 | ELECT | 22uF | 20% | 16V |
| C612 | 1-109-982-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C614 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C617 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C618 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C650 | 1-126-936-11 | ELECT | 3300uF | 20% | 16V |
| C660 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V (5800R) |
| C701 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| | | < CONNECTOR > | | | |
| CN351 | 1-766-260-11 | CONNECTOR, FFC/FPC (ZIF) 7P | | | |
| * CN352 | 1-506-995-11 | PIN, CONNECTOR (PC BOARD) 13P | | | |
| CN602 | 1-764-422-11 | PLUG, CONNECTOR 12P | | | |
| | | < DISCHARGE GAP > | | | |
| * CP1 | 1-517-422-11 | GAP, SPARK | | | |
| | | < DIODE > | | | |
| D2 | 8-719-991-65 | DIODE SB02W03C | | | |
| D3 | 8-719-423-07 | DIODE MA8100-L-TX | | | |
| D4 | 8-719-422-64 | DIODE MA8062-M | | | |
| D350 | 8-719-404-49 | DIODE MA111 | | | |
| D361 | 8-719-423-07 | DIODE MA8100-L-TX | | | |
| D362 | 8-719-911-19 | DIODE 1SS119 | | | |
| D501 | 8-719-422-12 | DIODE MA8039 | | | |
| D504 | 8-719-400-20 | DIODE MA152WA | | | |
| D506 | 8-719-911-19 | DIODE 1SS119 | | | |
| D583 | 8-719-404-49 | DIODE MA111 | | | |
| D584 | 8-719-422-12 | DIODE MA8039 | | | |
| D601 | 8-719-423-32 | DIODE MA8120-M | | | |
| D605 | 8-719-977-03 | DIODE DTZ5.6B | | | |
| D606 | 8-719-017-67 | DIODE MA8068H | | | |
| D607 | 8-719-801-78 | DIODE 1SS184 | | | |
| D609 | 8-719-422-64 | DIODE MA8062-M | | | |
| D610 | 8-719-422-64 | DIODE MA8062-M | | | |
| D611 | 8-719-109-97 | DIODE RD6.8ES-B2 | | | |
| D612 | 8-719-109-97 | DIODE RD6.8ES-B2 | | | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| D613 | 8-719-034-94 | DIODE MA4180-M(QZ) | |
| D614 | 8-719-109-97 | DIODE RD6.8ES-B2 | |
| D615 | 8-719-109-97 | DIODE RD6.8ES-B2 | |
| D616 | 8-719-422-64 | DIODE MA8062-M | |
| D617 | 8-719-422-64 | DIODE MA8062-M | |
| D621 | 8-719-970-02 | DIODE 1SR139-400 | |
| D623 | 8-719-970-02 | DIODE 1SR139-400 | |
| D624 | 8-719-404-49 | DIODE MA111 | |
| D652 | 8-719-018-04 | DIODE MA8240-TX | |
| D653 | 8-719-422-76 | DIODE MA8075-M | |
| D660 | 8-719-422-64 | DIODE MA8062-M (5800R) | |
| D661 | 8-719-404-49 | DIODE MA111 (5800R) | |
| D662 | 8-719-422-64 | DIODE MA8062-M (5800R) | |
| D701 | 8-719-057-80 | DIODE MA8160-M-TX | |
| D702 | 8-719-422-80 | DIODE MA8075-H-TX | |
| | | < IC > | |
| IC1 | 8-759-448-88 | IC TB2114F(EL) | |
| IC3 | 8-759-163-63 | IC TDA7330BD-013TR | |
| IC151 | 8-759-443-67 | IC LC75373ED | |
| IC351 | 8-752-079-78 | IC CXA2509AQ-T4 | |
| IC360 | 8-759-395-97 | IC MM1322XFBE | |
| IC501 | 8-759-492-40 | IC MN1884820SC | |
| IC571 | 8-759-940-45 | IC S-8054HN-CB | |
| IC601 | 8-759-347-49 | IC BA3918-V2 | |
| | | < JACK > | |
| J1 | 1-764-808-14 | JACK (ANT) (FM/AM ANTENNA) | |
| J501 | 1-566-822-41 | JACK (REMOTE IN) | |
| | | < SHORT CHIP > | |
| JC5 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC7 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC8 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC9 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC10 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC11 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC14 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC15 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC16 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC17 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC18 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC20 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC21 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC22 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC23 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC24 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC27 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC28 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC29 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC29 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC30 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC31 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC32 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC36 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC37 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC38 | 1-216-295-11 | SHORT (CHIP) 0 | |

# MAIN

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| JC40 | 1-216-295-11 | SHORT (CHIP) 0 | |
| JC50 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC51 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC52 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC53 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC54 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC55 | 1-216-296-00 | SHORT (CHIP) 0 (5790R) | |
| JC56 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC58 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC59 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC60 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC62 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC63 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC65 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC66 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC67 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC68 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC70 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC71 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC72 | 1-216-296-00 | SHORT (CHIP) 0 (5800R) | |
| JC73 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC74 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC75 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC76 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC77 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC78 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC80 | 1-216-296-00 | SHORT (CHIP) 0 | |
| JC81 | 1-216-296-00 | SHORT (CHIP) 0 | |
| | | < COIL > | |
| L1 | 1-412-006-31 | INDUCTOR CHIP 10uH | |
| L2 | 1-410-509-11 | INDUCTOR 10uH | |
| L4 | 1-410-509-11 | INDUCTOR 10uH | |
| L501 | 1-410-509-11 | INDUCTOR 10uH | |
| | | < TRANSISTOR > | |
| Q2 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q3 | 8-729-907-28 | TRANSISTOR IMD3 | |
| Q101 | 8-729-920-21 | TRANSISTOR DTC314TKH04 | |
| Q102 | 8-729-920-21 | TRANSISTOR DTC314TKH04 | |
| Q103 | 8-729-920-21 | TRANSISTOR DTC314TKH04 | |
| Q201 | 8-729-920-21 | TRANSISTOR DTC314TKH04 | |
| Q202 | 8-729-920-21 | TRANSISTOR DTC314TKH04 | |
| Q203 | 8-729-920-21 | TRANSISTOR DTC314TKH04 | |
| Q361 | 8-729-015-11 | TRANSISTOR 2SD1802FAST-TL | |
| Q362 | 8-729-020-67 | TRANSISTOR XN1A312-TX | |
| Q364 | 8-729-106-60 | TRANSISTOR 2SB1115A | |
| Q365 | 8-729-900-53 | TRANSISTOR DTC114EK | |
| Q501 | 8-729-020-67 | TRANSISTOR XN1A312-TX | |
| Q503 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q581 | 8-729-020-67 | TRANSISTOR XN1A312-TX | |
| Q603 | 8-729-423-99 | TRANSISTOR 2SD2137-OP | |
| Q605 | 8-729-020-67 | TRANSISTOR XN1A312-TX | |
| Q606 | 8-729-027-23 | TRANSISTOR DTA114EKA-T146 | |
| Q608 | 8-729-027-23 | TRANSISTOR DTA114EKA-T146 | |
| Q609 | 8-729-015-11 | TRANSISTOR 2SD1802FAST-TL | |
| Q610 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q701 | 8-729-900-53 | TRANSISTOR DTC114EK | |
| Q702 | 8-729-020-67 | TRANSISTOR XN1A312-TX | |
| | | < RESISTOR > | |
| R1 | 1-216-049-11 | RES, CHIP 1K (2012) | |
| R2 | 1-216-065-00 | METAL CHIP 4.7K 5% | 1/10W |
| R3 | 1-216-073-00 | METAL CHIP 10K 5% | 1/10W |
| R4 | 1-216-097-00 | RES, CHIP 100K (2012) | |
| R5 | 1-216-017-00 | RES, CHIP 47 (2012) | |
| R6 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W |
| R7 | 1-216-075-00 | METAL CHIP 12K 5% | 1/10W |
| R8 | 1-216-025-00 | RES, CHIP 100 (2012) | |
| R9 | 1-216-057-00 | METAL CHIP 2.2K 5% | 1/10W |
| R11 | 1-216-049-11 | RES, CHIP 1K (2012) | |
| R14 | 1-216-057-00 | METAL CHIP 2.2K 5% | 1/10W |
| R15 | 1-216-073-00 | METAL CHIP 10K 5% | 1/10W |
| R16 | 1-216-071-00 | METAL CHIP 8.2K 5% | 1/10W |
| R17 | 1-216-129-00 | METAL CHIP 2.2M 5% | 1/10W |
| R18 | 1-216-049-11 | RES, CHIP 1K (2012) | |
| R19 | 1-216-073-00 | METAL CHIP 10K 5% | 1/10W |
| R101 | 1-216-065-00 | METAL CHIP 4.7K 5% | 1/10W |
| R102 | 1-216-085-00 | METAL CHIP 33K 5% | 1/10W |
| R103 | 1-216-061-00 | METAL CHIP 3.3K 5% | 1/10W |
| R104 | 1-216-190-00 | RES, CHIP 470 (3216) | |
| R105 | 1-216-190-00 | RES, CHIP 470 (3216) | |
| R108 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W |
| R109 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W |
| R110 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W |
| R111 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W |
| R112 | 1-216-129-00 | METAL CHIP 2.2M 5% | 1/10W |
| R113 | 1-216-129-00 | METAL CHIP 2.2M 5% | 1/10W |
| R151 | 1-216-065-00 | METAL CHIP 4.7K 5% | 1/10W |
| R201 | 1-216-214-00 | RES, CHIP 4.7K (3216) | |
| R202 | 1-216-085-00 | METAL CHIP 33K 5% | 1/10W |
| R203 | 1-216-061-00 | METAL CHIP 3.3K 5% | 1/10W |
| R204 | 1-216-041-00 | METAL CHIP 470 5% | 1/10W |
| R205 | 1-216-041-00 | METAL CHIP 470 5% | 1/10W |
| R208 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W |
| R209 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W |
| R210 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W |
| R211 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W |
| R212 | 1-216-129-00 | METAL CHIP 2.2M 5% | 1/10W |
| R213 | 1-216-129-00 | METAL CHIP 2.2M 5% | 1/10W |
| R303 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W |
| R304 | 1-216-081-00 | METAL CHIP 22K 5% | 1/10W (5800R) |
| R305 | 1-216-109-00 | METAL CHIP 330K 5% | 1/10W |
| R306 | 1-216-190-00 | RES, CHIP 470 (3216) | |
| R307 | 1-216-057-00 | METAL CHIP 2.2K 5% | 1/10W |
| R308 | 1-216-073-00 | METAL CHIP 10K 5% | 1/10W |
| R351 | 1-208-812-11 | RES, CHIP 18K | |
| R352 | 1-216-105-00 | RES, CHIP 220K (2012) | |
| R353 | 1-216-065-00 | METAL CHIP 4.7K 5% | 1/10W |
| R354 | 1-216-077-00 | METAL CHIP 15K 5% | 1/10W |
| R355 | 1-216-009-00 | METAL CHIP 22 5% | 1/10W |
| R361 | 1-216-049-11 | RES, CHIP 1K (2012) | |
| R362 | 1-249-389-11 | CARBON 4.7 5% | 1/4W |
| R363 | 1-249-389-11 | CARBON 4.7 5% | 1/4W |
| R364 | 1-216-073-00 | METAL CHIP 10K 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R365 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R403 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R404 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W (5800R) |
| R405 | 1-216-109-00 | METAL CHIP | 330K | 5% | 1/10W |
| R406 | 1-216-190-00 | RES, CHIP | 470 (3216) | | |
| R407 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R408 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R501 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R505 | 1-216-049-11 | RES, CHIP | 1K (2012) | | |
| R506 | 1-216-109-00 | METAL CHIP | 330K | 5% | 1/10W |
| R507 | 1-216-198-00 | RES, CHIP | 1K (3216) | | |
| R508 | 1-216-206-00 | RES, CHIP | 2.2K (3216) | | |
| R509 | 1-216-198-00 | RES, CHIP | 1K (3216) | | |
| R510 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R511 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R512 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R513 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R514 | 1-216-198-00 | RES, CHIP | 1K (3216) | | |
| R515 | 1-216-198-00 | RES, CHIP | 1K (3216) | | |
| R516 | 1-216-198-00 | RES, CHIP | 1K (3216) | | |
| R517 | 1-216-198-00 | RES, CHIP | 1K (3216) | | |
| R518 | 1-216-246-00 | RES, CHIP | 100K (3216) | | |
| R521 | 1-216-246-00 | RES, CHIP | 100K (3216) | | |
| R522 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R523 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R524 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R525 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R526 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R528 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R531 | 1-216-246-00 | RES, CHIP | 100K (3216) | | |
| R533 | 1-216-246-00 | RES, CHIP | 100K (3216) (5800R) | | |
| R534 | 1-216-246-00 | RES, CHIP | 100K (3216) (5790R) | | |
| R535 | 1-208-814-11 | RES, CHIP | 22K | | |
| R536 | 1-216-246-00 | RES, CHIP | 100K | | |
| R537 | 1-216-097-00 | RES, CHIP | 100K (2012) (German) | | |
| R538 | 1-216-246-00 | RES, CHIP | 100K (3216) (AEP, UK, South European) | | |
| R539 | 1-208-806-11 | RES, | CHIP | 10K | |
| R540 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R544 | 1-216-049-11 | RES, CHIP | 1K (2012) | | |
| R545 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R546 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R548 | 1-216-222-00 | RES, CHIP | 10K (3216) | | |
| R549 | 1-216-222-00 | RES, CHIP | 10K (3216) | | |
| R551 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R550 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W (5800R) |
| R562 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R570 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R571 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R572 | 1-216-246-00 | RES, CHIP | 100K (3216) | | |
| R573 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R574 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R582 | 1-216-198-00 | RES, CHIP | 1K (3216) | | |
| R583 | 1-216-166-00 | RES, CHIP | 47 (3216) | | |
| R584 | 1-216-238-00 | RES, CHIP | 47K (3216) | | |
| R585 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R601 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R602 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R603 | 1-216-089-00 | RES, CHIP | 47K (2012) | | |
| R604 | 1-216-089-00 | RES, CHIP | 47K (2012) | | |
| R606 | 1-216-206-00 | RES, CHIP | 2.2K (3216) | | |
| R607 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R608 | 1-216-097-00 | RES, CHIP | 100K (2012) | | |
| R609 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R610 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R612 | 1-216-025-00 | RES, CHIP | 100 (2012) | | |
| R613 | 1-216-025-00 | RES, CHIP | 100 (2012) | | |
| R614 | 1-208-806-11 | RES, CHIP | 10K | | |
| R615 | 1-208-806-11 | RES, CHIP | 10K | | |
| R616 | 1-216-295-11 | SHORT (CHIP) | 0 | | |
| R617 | 1-216-025-00 | RES, CHIP | 100 (2012) | | |
| R618 | 1-208-806-11 | RES, CHIP | 10K | | |
| R619 | 1-208-806-11 | RES, CHIP | 10K | | |
| R620 | 1-216-025-00 | RES, CHIP | 100 (2012) | | |
| R621 | 1-216-025-00 | RES, CHIP | 100 (2012) | | |
| R624 | 1-249-383-11 | CARBON | 1.5 | 5% | 1/6W |
| R625 | 1-249-383-11 | CARBON | 1.5 | 5% | 1/6W |
| R626 | 1-249-383-11 | CARBON | 1.5 | 5% | 1/6W |
| R627 | 1-249-383-11 | CARBON | 1.5 | 5% | 1/6W |
| R660 | 1-216-198-00 | RES, CHIP | 1K (3216) | (5800R) | |
| R661 | 1-216-129-00 | METAL CHIP | 2.2M | 5% | 1/10W (5800R) |
| R701 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R702 | 1-216-113-00 | METAL CHIP | 470K | 5% | 1/10W |
| | | < VARIABLE RESISTOR > | | | |
| RV1 | 1-241-768-11 | RES, ADJ, CARBON 220K | | | |
| | | < SWITCH > | | | |
| S601 | 1-692-431-21 | SWITCH, TACTILE (RESET) | | | |
| | | < TUNER UNIT > | | | |
| TU1 | 1-693-373-11 | TUNER UNIT (FM/AM TUNER UNIT) | | | |
| | | < VIBRATOR > | | | |
| X1 | 1-567-848-11 | VIBRATOR, CRYSTAL (7.2MHz) | | | |
| X2 | 1-579-242-41 | VIBRATOR, CRYSTAL (4.332MHz) | | | |
| X501 | 1-579-125-11 | VIBRATOR, CERAMIC (8MHz) | | | |
| X502 | 1-567-098-41 | VIBRATOR, CRYSTAL (32.768kHz) | | | |
| ********** | | | | | |
| * | A-3309-740-A | POWER BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | (Included in MAIN BOARD, COMPLETE) | | | |
| | | < CAPACITOR > | | | |
| C801 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C802 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C803 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C804 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C805 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C806 | 1-164-506-11 | CERAMIC CHIP | 4.7uF | | 16V |
| C811 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |

## POWER

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| C812 | 1-163-009-11 | CERAMIC CHIP 0.001uF 10% | 50V |
| C821 | 1-163-009-11 | CERAMIC CHIP 0.001uF 10% | 50V |
| C822 | 1-163-009-11 | CERAMIC CHIP 0.001uF 10% | 50V |
| | | < CONNECTOR > | |
| CN801 | 1-778-985-11 | PIN, CONNECTOR (ISO) | |
| CN802 | 1-778-983-11 | PIN, CONNECTOR (PC BOARD) 13P | |
| CN803 | 1-778-983-11 | PIN, CONNECTOR (PC BOARD) 13P | |
| | | < DIODE > | |
| D801 | 8-719-049-38 | DIODE 1N5404TU | |
| D813 | 8-719-970-02 | DIODE 1SR139-400 | |
| D814 | 8-719-970-02 | DIODE 1SR139-400 | |
| D815 | 8-719-970-02 | DIODE 1SR139-400 | |
| D816 | 8-719-970-02 | DIODE 1SR139-400 | |
| D823 | 8-719-970-02 | DIODE 1SR139-400 | |
| D824 | 8-719-970-02 | DIODE 1SR139-400 | |
| D825 | 8-719-970-02 | DIODE 1SR139-400 | |
| D826 | 8-719-970-02 | DIODE 1SR139-400 | |
| | | < IC > | |
| IC801 | 8-759-490-48 | IC HA13158 | |
| | | < SHORT CHIP > | |
| JC801 | 1-216-296-00 | SHORT (CHIP) 0 | |
| | | < COIL > | |
| L801 | 1-416-046-11 | COIL, CHOKE 400uH | |
| | | < RESISTOR > | |
| R801 | 1-216-198-00 | RES, CHIP 1K (3216) | |
| R802 | 1-216-198-00 | RES, CHIP 1K (3216) | |
| R803 | 1-216-049-11 | RES, CHIP 1K (2012) | |
| R804 | 1-216-049-11 | RES, CHIP 1K (2012) | |
| R811 | 1-216-296-00 | SHORT (CHIP) 0 | |
| R812 | 1-216-296-00 | SHORT (CHIP) 0 | |
| R813 | 1-216-296-00 | SHORT (CHIP) 0 | |
| R814 | 1-216-296-00 | SHORT (CHIP) 0 | |
| R821 | 1-216-296-00 | SHORT (CHIP) 0 | |
| R822 | 1-216-296-00 | SHORT (CHIP) 0 | |
| R823 | 1-216-296-00 | SHORT (CHIP) 0 | |
| R824 | 1-216-296-00 | SHORT (CHIP) 0 | |
| | | < SWITCH > | |
| S801 | 1-571-478-11 | SWITCH, SLIDE (POWER SELECT) | |

**********

MISCELLANEOUS
**********

| | | | |
|---|---|---|---|
| 9 | 1-777-989-31 | CORD (WITH CONNECTOR) (ATT) (5800R) | |
| 16 | 1-782-092-11 | CORD (WITH CONNECTOR) (ISO-P) (POWER) | |
| 17 | 1-782-093-11 | CORD (WITH CONNECTOR) (ISO-S) | (SPEAKER) |
| F801 | 1-532-877-11 | FUSE (BLADE TYPE) (AUTO FUSE) (10A) | |
| HP901 | 1-500-196-21 | HEAD, MAGNETIC (PLAYBACK) | |
| M901 | A-3291-665-A | MOTOR ASSY, MAIN (CAPSTAN/REEL) | |

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| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|

**********
HARDWARE LIST
**********

| | | |
|---|---|---|
| #1 | 7-621-772-10 | SCREW +B 2X4 |
| #2 | 7-685-793-09 | SCREW +PTT 2.6X8 (S) |
| #3 | 7-685-792-09 | SCREW +PTT 2.6X6 (S) |
| #5 | 7-685-106-19 | SCREW +P 2X10 TYPE2 NON-SLIT |
| #6 | 7-624-104-04 | STOP RING 2.0, TYPE-E |
| #7 | 7-627-553-17 | PRECISION SCREW +P 2X2 TYPE 3 |

**********

ACCESSORIES & PACKING MATERIALS
**********

| | | |
|---|---|---|
| | 1-473-067-71 | REMOTE COMMANDER (RM-X4S) (5800R: AEP, UK, South European) |
| | 3-861-508-11 | MANUAL, INSTRUCTION (ENGLISH, SPANISH, SWEDISH, PORTUGUESE) (5800R: AEP, UK) |
| | 3-861-508-21 | MANUAL, INSTRUCTION (FRENCH, GERMAN, DUTCH, ITALIAN) (5800R: AEP) |
| | 3-861-508-31 | MANUAL, INSTRUCTION (CZECH, GREEK, POLISH, TURKISH, ENGLISH) (5800R: South European) |
| | 3-861-508-41 | MANUAL, INSTRUCTION (GERMAN) (5800R: German) |
| | 3-861-509-11 | MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, SWEDISH, PORTUGUESE) (5800R: AEP, UK) |
| | 3-861-509-21 | MANUAL, INSTRUCTION, INSTALL (FRENCH, GERMAN, DUTCH, ITALIAN) (5800R: AEP, German) |
| | 3-861-509-31 | MANUAL, INSTRUCTION, INSTALL (CZECH, GREEK, POLISH, TURKISH, ENGLISH) (5800R: South European) |
| | 3-861-512-11 | MANUAL, INSTRUCTION (ENGLISH, SPANISH, SWEDISH, PORTUGUESE) (5790R: AEP, UK) |
| | 3-861-512-21 | MANUAL, INSTRUCTION (FRENCH, GERMAN, DUTCH, ITALIAN)(5790R: AEP) |
| | 3-861-512-41 | MANUAL, INSTRUCTION (GERMAN) (5790R: German) |
| | 3-861-513-11 | MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, SWEDISH, PORTUGUESE) (5790R: AEP, UK) |
| | 3-861-513-21 | MANUAL, INSTRUCTION, INSTALL (FRENCH, GERMAN, DUTCH, ITALIAN) (5790R: AEP, German) |
| | 3-861-513-31 | MANUAL, INSTRUCTION, INSTALL (CZECH, GREEK, POLISH, TURKISH, ENGLISH) (5800R: South European) |
| | 3-861-973-11 | MANUAL, INSTRUCTION, INSTALL (for RM-X4S) (ENGLISH, FRENCH, GERMAN, SPANISH, DUTCH, SWEDISH, ITALIAN, PORTUGUESE, POLISH, CZECH, GREEK, TURKISH)) (5800R: AEP, UK, South European) |
| | 3-921-278-01 | LABEL (DSPL) (for RM-X4S) (5800R: AEP, UK, South European) |
| | X-3373-412-1 | CASE (PANEL) ASSY (for FRONT PANEL) |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | PARTS FOR INSTALLATION AND CONNECTIONS | |
| | | ********** | |
| 501 | 3-916-161-31 | FRAME ASSY | |
| 502 | X-3370-077-1 | SCREW ASSY (AE. KEY), FITTING | |
| 503 | 1-777-989-31 | CORD (WITH CONNECTOR) (ATT) (5800R) | |
| 504 | 1-782-093-11 | CORD (WITH CONNECTOR) (ISO-S) | (SPEAKER) |
| 505 | 1-782-092-11 | CORD (WITH CONNECTOR) (ISO-P) (POWER) | |
| 506 | X-3373-432-1 | BRACKET ASSY (for RM-X4S) | (5800R: AEP, UK, South European) |
| 507 | 1-465-459-21 | ADAPTER, ANTENNA | |